UNITED STATES NAVAL OBSERVATORY

CIRCULAR NO. 96

U. S. Naval Observatory, Washington, D. C., 20390 May 15, 1964

GEOCENTRIC DISTANCE AND VELOCITY OF VENUS 1961 - 1970

by

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The quantities contained in this *Circular* are intended chiefly for use in the reduction and interpretation of observations of the geocentric distance and velocity of Venus. These quantities are derived from numerical integrations of the orbits of Venus and Earth produced by Paul Herget on the Naval Ordnance Research Calculator, and fitted to corrected elements of Venus and Earth as given by R. L. Duncombe (*Astro. Papers* Vol. 16, pt. 1). The geocentric coordinates of the Earth-Moon barycenter in astronomical units were derived from the rectangular coordinates of the Moon in earth radii contained in *U. S. Naval Observatory Circular* No. 91 using the conversion factor 5.166×10^{-6}. This factor corresponds to a solar parallax of 8.″7941 and an Earth/Moon mass ratio of 81.53.

The tabular quantities, referred to Ephemeris Time, are the Julian Date, the geocentric distance to the center of mass of Venus in astronomical units (ρ) and the geocentric velocity in astronomical units per day ($\dot{\rho}$). The correction $\alpha\,\dot{\rho}$ may be used to reduce the velocity to the time scale of Universal Time :

$$\dot{\rho}\,(\mathrm{U.T.}) = \dot{\rho} + \alpha\,\dot{\rho};$$

where $\alpha\,\dot{\rho} = \Delta T \cdot \delta^2\,\dot{\rho}$, and $\Delta T = 33.^{s}55 + 0.^{s}388$ (Year - 1961) has been used for the extropolation of the observed difference between E.T. and U.T.

The quantities for the year 1962 had previously been derived from the same source material by G. A. Wilkins of H. M. Nautical Almanac Office, Royal Greenwich Observatory, and circulated to users in manuscript form. The cooperation of Dr. Wilkins in this work is gratefully acknowledged.

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437051.5	+1.648464160	+0.002995152	-18	2437111.5	+1.735491640	-0.000242692	-23
2437052.5	+1.651435980	+0.002948456	-18	2437112.5	+1.735218802	-0.000302972	-23
2437053.5	+1.654361014	+0.002901587	-18	2437113.5	+1.734885726	-0.000363162	-23
2437054.5	+1.657239102	+0.002854564	-18	2437114.5	+1.734492522	-0.000423219	-23
2437055.5	+1.660070095	+0.002807400	-18	2437115.5	+1.734039348	-0.000483095	-23
2437056.5	+1.662853859	+0.002760109	-18	2437116.5	+1.733526405	-0.000542752	-23
2437057.5	+1.665590273	+0.002712700	-18	2437117.5	+1.732953933	-0.000602143	-23
2437058.5	+1.668279224	+0.002665186	-18	2437118.5	+1.732322224	-0.000661220	-23
2437059.5	+1.670920612	+0.002617574	-18	2437119.5	+1.731631609	-0.000719950	-23
2437060.5	+1.673514342	+0.002569870	-18	2437120.5	+1.730882450	-0.000778305	-22
2437061.5	+1.676060323	+0.002522077	-18	2437121.5	+1.730075128	-0.000836276	-22
2437062.5	+1.678558464	+0.002474187	-19	2437122.5	+1.729210020	-0.000893883	-22
2437063.5	+1.681008654	+0.002426168	-19	2437123.5	+1.728287463	-0.000951188	-22
2437064.5	+1.683410742	+0.002377974	-19	2437124.5	+1.727307717	-0.001008275	-22
2437065.5	+1.685764517	+0.002329525	-19	2437125.5	+1.726270951	-0.001065247	-22
2437066.5	+1.688069677	+0.002280730	-19	2437126.5	+1.725177227	-0.001122205	-22
2437067.5	+1.690325829	+0.002231491	-19	2437127.5	+1.724026519	-0.001179227	-22
2437068.5	+1.692532479	+0.002181711	-19	2437128.5	+1.722818735	-0.001236363	-22
2437069.5	+1.694689050	+0.002131329	-20	2437129.5	+1.721553750	-0.001293628	-22
2437070.5	+1.696794922	+0.002080304	-20	2437130.5	+1.720231435	-0.001351023	-22
2437071.5	+1.698849443	+0.002028634	-20	2437131.5	+1.718851668	-0.001408524	-22
2437072.5	+1.700851983	+0.001976344	-20	2437132.5	+1.717414361	-0.001466101	-22
2437073.5	+1.702801935	+0.001923465	-21	2437133.5	+1.715919451	-0.001523724	-22
2437074.5	+1.704698733	+0.001870046	-21	2437134.5	+1.714366908	-0.001581361	-22
2437075.5	+1.706541865	+0.001816141	-21	2437135.5	+1.712756735	-0.001638980	-22
2437076.5	+1.708330869	+0.001761797	-21	2437136.5	+1.711088965	-0.001696549	-22
2437077.5	+1.710065331	+0.001707068	-21	2437137.5	+1.709363666	-0.001754032	-22
2437078.5	+1.711744893	+0.001652003	-21	2437138.5	+1.707580941	-0.001811394	-22
2437079.5	+1.713369242	+0.001596651	-21	2437139.5	+1.705740932	-0.001868594	-22
2437080.5	+1.714938115	+0.001541057	-22	2437140.5	+1.703843819	-0.001925596	-22
2437081.5	+1.716451289	+0.001485260	-22	2437141.5	+1.701889823	-0.001982350	-22
2437082.5	+1.717908581	+0.001429301	-22	2437142.5	+1.699879218	-0.002038807	-22
2437083.5	+1.719309848	+0.001373213	-22	2437143.5	+1.697812324	-0.002094921	-22
2437084.5	+1.720654975	+0.001317029	-22	2437144.5	+1.695689508	-0.002150639	-21
2437085.5	+1.721943883	+0.001260777	-22	2437145.5	+1.693511195	-0.002205908	-21
2437086.5	+1.723176516	+0.001204487	-22	2437146.5	+1.691277859	-0.002260675	-21
2437087.5	+1.724352854	+0.001148188	-22	2437147.5	+1.688990029	-0.002314890	-21
2437088.5	+1.725472899	+0.001091909	-22	2437148.5	+1.686648280	-0.002368503	-21
2437089.5	+1.726536689	+0.001035681	-22	2437149.5	+1.684253234	-0.002421483	-20
2437090.5	+1.727544284	+0.000979520	-22	2437150.5	+1.681805529	-0.002473819	-20
2437091.5	+1.728495757	+0.000923441	-22	2437151.5	+1.679305806	-0.002525525	-20
2437092.5	+1.729391191	+0.000867438	-22	2437152.5	+1.676754673	-0.002576650	-20
2437093.5	+1.730230645	+0.000811471	-22	2437153.5	+1.674152672	-0.002627277	-19
2437094.5	+1.731014123	+0.000755474	-22	2437154.5	+1.671500255	-0.002677497	-19
2437095.5	+1.731741552	+0.000699356	-22	2437155.5	+1.668797779	-0.002727416	-19
2437096.5	+1.732412759	+0.000643010	-22	2437156.5	+1.666045497	-0.002777114	-19
2437097.5	+1.733027464	+0.000586341	-22	2437157.5	+1.663243605	-0.002826649	-19
2437098.5	+1.733585309	+0.000529277	-22	2437158.5	+1.660392239	-0.002876065	-19
2437099.5	+1.734085872	+0.000471775	-22	2437159.5	+1.657491514	-0.002925365	-19
2437100.5	+1.734528710	+0.000413825	-22	2437160.5	+1.654541546	-0.002974556	-19
2437101.5	+1.734913381	+0.000355451	-23	2437161.5	+1.651542441	-0.003023631	-19
2437102.5	+1.735239482	+0.000296686	-23	2437162.5	+1.648494328	-0.003072573	-19
2437103.5	+1.735506635	+0.000237566	-23	2437163.5	+1.645397342	-0.003121373	-19
2437104.5	+1.735714513	+0.000178143	-23	2437164.5	+1.642251636	-0.003170012	-19
2437105.5	+1.735862832	+0.000118452	-23	2437165.5	+1.639057376	-0.003218479	-19
2437106.5	+1.735951346	+0.000058546	-23	2437166.5	+1.635814741	-0.003266758	-19
2437107.5	+1.735979868	-0.000001529	-23	2437167.5	+1.632523931	-0.003314825	-19
2437108.5	+1.735948243	-0.000061738	-23	2437168.5	+1.629185170	-0.003362656	-18
2437109.5	+1.735856364	-0.000122030	-23	2437169.5	+1.625798709	-0.003410217	-18
2437110.5	+1.735704170	-0.000182363	-23	2437170.5	+1.622364838	-0.003457470	-18

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437171.5	+1.618883887	-0.003504369	-18	2437231.5	+1.339845301	-0.005611649	-11
2437172.5	+1.615356237	-0.003550858	-18	2437232.5	+1.334219565	-0.005639774	-11
2437173.5	+1.611782326	-0.003596882	-18	2437233.5	+1.328565866	-0.005667559	-11
2437174.5	+1.608162648	-0.003642383	-17	2437234.5	+1.322884583	-0.005694936	-10
2437175.5	+1.604497754	-0.003687304	-17	2437235.5	+1.317176144	-0.005721863	-10
2437176.5	+1.600788252	-0.003731590	-17	2437236.5	+1.311441017	-0.005748310	-10
2437177.5	+1.597034801	-0.003775194	-17	2437237.5	+1.305679687	-0.005774267	-10
2437178.5	+1.593238102	-0.003818085	-16	2437238.5	+1.299892643	-0.005799743	-10
2437179.5	+1.589398873	-0.003860252	-16	2437239.5	+1.294080353	-0.005824764	-10
2437180.5	+1.585517835	-0.003901711	-16	2437240.5	+1.288243253	-0.005849372	-9
2437181.5	+1.581595673	-0.003942505	-16	2437241.5	+1.282381732	-0.005873610	-9
2437182.5	+1.577633023	-0.003982704	-15	2437242.5	+1.276496139	-0.005897531	-9
2437183.5	+1.573630433	-0.004022398	-15	2437243.5	+1.270586755	-0.005921197	-9
2437184.5	+1.569588367	-0.004061673	-15	2437244.5	+1.264653814	-0.005944655	-9
2437185.5	+1.565507199	-0.004100614	-15	2437245.5	+1.258697498	-0.005967956	-9
2437186.5	+1.561387228	-0.004139289	-15	2437246.5	+1.252717941	-0.005991142	-9
2437187.5	+1.557228694	-0.004177746	-15	2437247.5	+1.246715241	-0.006014247	-9
2437188.5	+1.553031799	-0.004216015	-15	2437248.5	+1.240689464	-0.006037303	-9
2437189.5	+1.548796719	-0.004254120	-15	2437249.5	+1.234640642	-0.006060340	-9
2437190.5	+1.544523610	-0.004292071	-15	2437250.5	+1.228568780	-0.006083391	-9
2437191.5	+1.540212625	-0.004329877	-15	2437251.5	+1.222473847	-0.006106482	-9
2437192.5	+1.535863903	-0.004367542	-15	2437252.5	+1.216355793	-0.006129642	-9
2437193.5	+1.531477585	-0.004405073	-14	2437253.5	+1.210214526	-0.006152914	-9
2437194.5	+1.527053799	-0.004442476	-14	2437254.5	+1.204049919	-0.006176325	-9
2437195.5	+1.522592676	-0.004479751	-14	2437255.5	+1.197861821	-0.006199901	-9
2437196.5	+1.518094341	-0.004516896	-14	2437256.5	+1.191650060	-0.006223647	-9
2437197.5	+1.513558931	-0.004553901	-14	2437257.5	+1.185414474	-0.006247550	-9
2437198.5	+1.508986593	-0.004590745	-14	2437258.5	+1.179154921	-0.006271568	-9
2437199.5	+1.504377506	-0.004627395	-14	2437259.5	+1.172871324	-0.006295625	-9
2437200.5	+1.499731882	-0.004663807	-14	2437260.5	+1.166563687	-0.006319634	-9
2437201.5	+1.495049991	-0.004699920	-14	2437261.5	+1.160232105	-0.006343495	-9
2437202.5	+1.490332161	-0.004735674	-14	2437262.5	+1.153876778	-0.006367115	-9
2437203.5	+1.485578785	-0.004771001	-14	2437263.5	+1.147497980	-0.006390422	-9
2437204.5	+1.480790323	-0.004805836	-13	2437264.5	+1.141096055	-0.006413368	-9
2437205.5	+1.475967296	-0.004840122	-13	2437265.5	+1.134671376	-0.006435919	-9
2437206.5	+1.471110278	-0.004873813	-13	2437266.5	+1.128224353	-0.006458062	-8
2437207.5	+1.466219877	-0.004906883	-13	2437267.5	+1.121755387	-0.006479799	-8
2437208.5	+1.461296724	-0.004939319	-12	2437268.5	+1.115264887	-0.006501139	-8
2437209.5	+1.456341445	-0.004971139	-12	2437269.5	+1.108753233	-0.006522108	-8
2437210.5	+1.451354639	-0.005002380	-12	2437270.5	+1.102220786	-0.006542733	-8
2437211.5	+1.446336861	-0.005033094	-12	2437271.5	+1.095667870	-0.006563048	-8
2437212.5	+1.441288603	-0.005063352	-12	2437272.5	+1.089094783	-0.006583084	-8
2437213.5	+1.436210283	-0.005093231	-11	2437273.5	+1.082501781	-0.006602884	-8
2437214.5	+1.431102243	-0.005122802	-11	2437274.5	+1.075889081	-0.006622485	-8
2437215.5	+1.425964761	-0.005152128	-11	2437275.5	+1.069256867	-0.006641919	-7
2437216.5	+1.420798051	-0.005181264	-11	2437276.5	+1.062605286	-0.006661223	-7
2437217.5	+1.415602284	-0.005210248	-11	2437277.5	+1.055934455	-0.006680426	-7
2437218.5	+1.410377593	-0.005239117	-11	2437278.5	+1.049244457	-0.006699560	-7
2437219.5	+1.405124080	-0.005267895	-11	2437279.5	+1.042535347	-0.006718657	-7
2437220.5	+1.399841827	-0.005296602	-11	2437280.5	+1.035807142	-0.006737756	-7
2437221.5	+1.394530891	-0.005325263	-11	2437281.5	+1.029059822	-0.006756894	-7
2437222.5	+1.389191311	-0.005353893	-11	2437282.5	+1.022293326	-0.006776115	-7
2437223.5	+1.383823106	-0.005382518	-11	2437283.5	+1.015507549	-0.006795465	-8
2437224.5	+1.378426269	-0.005411159	-11	2437284.5	+1.008702340	-0.006814983	-8
2437225.5	+1.373000779	-0.005439826	-11	2437285.5	+1.001877518	-0.006834694	-8
2437226.5	+1.367546605	-0.005468527	-11	2437286.5	+0.995032888	-0.006854595	-8
2437227.5	+1.362063715	-0.005497257	-11	2437287.5	+0.988168279	-0.006874643	-8
2437228.5	+1.356552090	-0.005525990	-11	2437288.5	+0.981283576	-0.006894768	-8
2437229.5	+1.351011750	-0.005554676	-11	2437289.5	+0.974378754	-0.006914861	-8
2437230.5	+1.345442774	-0.005583255	-11	2437290.5	+0.967453902	-0.006934812	-8

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437291.5	+0.960509213	-0.006954516	-8	2437351.5	+0.523149006	-0.007239539	+10
2437292.5	+0.953544983	-0.006973883	-7	2437352.5	+0.515922060	-0.007213951	+10
2437293.5	+0.946561578	-0.006992858	-7	2437353.5	+0.508721929	-0.007185886	+11
2437294.5	+0.939559413	-0.007011397	-7	2437354.5	+0.501551159	-0.007155207	+13
2437295.5	+0.932538938	-0.007029476	-7	2437355.5	+0.494412431	-0.007121779	+14
2437296.5	+0.925500617	-0.007047088	-7	2437356.5	+0.487308565	-0.007085459	+15
2437297.5	+0.918444920	-0.007064228	-7	2437357.5	+0.480242524	-0.007046105	+16
2437298.5	+0.911372317	-0.007080901	-6	2437358.5	+0.473217416	-0.007003569	+17
2437299.5	+0.904283271	-0.007097117	-6	2437359.5	+0.466236498	-0.006957696	+19
2437300.5	+0.897178232	-0.007112887	-6	2437360.5	+0.459303187	-0.006908334	+20
2437301.5	+0.890057640	-0.007128227	-6	2437361.5	+0.452421043	-0.006855332	+21
2437302.5	+0.882921915	-0.007143158	-6	2437362.5	+0.445593789	-0.006798530	+23
2437303.5	+0.875771455	-0.007157698	-6	2437363.5	+0.438825301	-0.006737773	+25
2437304.5	+0.868606641	-0.007171872	-5	2437364.5	+0.432119611	-0.006672911	+26
2437305.5	+0.861427825	-0.007185705	-5	2437365.5	+0.425480897	-0.006603793	+28
2437306.5	+0.854235338	-0.007199217	-5	2437366.5	+0.418913497	-0.006530257	+30
2437307.5	+0.847029488	-0.007212440	-5	2437367.5	+0.412421908	-0.006452147	+31
2437308.5	+0.839810545	-0.007225403	-5	2437368.5	+0.406010781	-0.006369301	+33
2437309.5	+0.832578759	-0.007238135	-5	2437369.5	+0.399684941	-0.006281548	+35
2437310.5	+0.825334337	-0.007250682	-5	2437370.5	+0.393449383	-0.006188701	+37
2437311.5	+0.818077443	-0.007263086	-5	2437371.5	+0.387309307	-0.006090548	+39
2437312.5	+0.810808196	-0.007275396	-5	2437372.5	+0.381270135	-0.005986850	+42
2437313.5	+0.803526668	-0.007287654	-5	2437373.5	+0.375337550	-0.005877322	+44
2437314.5	+0.796232895	-0.007299891	-5	2437374.5	+0.369517544	-0.005761636	+46
2437315.5	+0.788926893	-0.007312105	-5	2437375.5	+0.363816454	-0.005639423	+49
2437316.5	+0.781608706	-0.007324254	-5	2437376.5	+0.358241005	-0.005510289	+52
2437317.5	+0.774278434	-0.007336255	-5	2437377.5	+0.352798316	-0.005373835	+55
2437318.5	+0.766936284	-0.007347992	-5	2437378.5	+0.347495902	-0.005229679	+58
2437319.5	+0.759582583	-0.007359332	-4	2437379.5	+0.342341644	-0.005077464	+61
2437320.5	+0.752217794	-0.007370152	-4	2437380.5	+0.337343766	-0.004916875	+64
2437321.5	+0.744842488	-0.007380347	-4	2437381.5	+0.332510780	-0.004747630	+68
2437322.5	+0.737457338	-0.007389830	-4	2437382.5	+0.327851472	-0.004569487	+71
2437323.5	+0.730063086	-0.007398542	-3	2437383.5	+0.323374836	-0.004382256	+75
2437324.5	+0.722660527	-0.007406437	-3	2437384.5	+0.319090040	-0.004185788	+79
2437325.5	+0.715250496	-0.007413480	-3	2437385.5	+0.315006371	-0.003979990	+82
2437326.5	+0.707833862	-0.007419640	-2	2437386.5	+0.311133183	-0.003764827	+86
2437327.5	+0.700411520	-0.007424890	-2	2437387.5	+0.307479829	-0.003540333	+89
2437328.5	+0.692984392	-0.007429209	-2	2437388.5	+0.304055592	-0.003306619	+93
2437329.5	+0.685553420	-0.007432575	-1	2437389.5	+0.300869598	-0.003063885	+97
2437330.5	+0.678119567	-0.007434965	-1	2437390.5	+0.297930727	-0.002812440	+100
2437331.5	+0.670683819	-0.007436368	0	2437391.5	+0.295247493	-0.002552676	+103
2437332.5	+0.663247165	-0.007436768	0	2437392.5	+0.292827985	-0.002285087	+106
2437333.5	+0.655810621	-0.007436153	0	2437393.5	+0.290679721	-0.002010297	+109
2437334.5	+0.648375198	-0.007434523	+1	2437394.5	+0.288809558	-0.001729011	+111
2437335.5	+0.640941917	-0.007431867	+1	2437395.5	+0.287223603	-0.001442017	+113
2437336.5	+0.633511805	-0.007428187	+2	2437396.5	+0.285927139	-0.001150180	+115
2437337.5	+0.626085884	-0.007423486	+2	2437397.5	+0.284924550	-0.000854424	+116
2437338.5	+0.618665172	-0.007417769	+2	2437398.5	+0.284219279	-0.000555704	+117
2437339.5	+0.611250681	-0.007411047	+3	2437399.5	+0.283813806	-0.000254991	+118
2437340.5	+0.603843409	-0.007403333	+3	2437400.5	+0.283709633	+0.000046729	+118
2437341.5	+0.596444342	-0.007394639	+4	2437401.5	+0.283907285	+0.000348514	+118
2437342.5	+0.589054455	-0.007384971	+4	2437402.5	+0.284406380	+0.000649457	+117
2437343.5	+0.581674730	-0.007374311	+4	2437403.5	+0.285205619	+0.000948662	+116
2437344.5	+0.574306180	-0.007362610	+5	2437404.5	+0.286302843	+0.001245288	+115
2437345.5	+0.566949888	-0.007349775	+5	2437405.5	+0.287695067	+0.001538534	+114
2437346.5	+0.559607055	-0.007335665	+6	2437406.5	+0.289378527	+0.001827631	+112
2437347.5	+0.552279041	-0.007320105	+6	2437407.5	+0.291348703	+0.002111852	+110
2437348.5	+0.544967393	-0.007302900	+7	2437408.5	+0.293600379	+0.002390518	+108
2437349.5	+0.537673855	-0.007283854	+8	2437409.5	+0.296127675	+0.002662995	+105
2437350.5	+0.530400359	-0.007262789	+9	2437410.5	+0.298924116	+0.002928714	+102

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437411.5	+0.301982689	+0.003187193	+99	2437471.5	+0.711744946	+0.008028194	0
2437412.5	+0.305295954	+0.003438030	+96	2437472.5	+0.719772476	+0.008026727	−1
2437413.5	+0.308856084	+0.003680874	+93	2437473.5	+0.727798128	+0.008024442	−1
2437414.5	+0.312654952	+0.003915470	+90	2437474.5	+0.735821088	+0.008021342	−1
2437415.5	+0.316684212	+0.004141631	+87	2437475.5	+0.743840535	+0.008017411	−2
2437416.5	+0.320935359	+0.004359228	+83	2437476.5	+0.751855624	+0.008012622	−2
2437417.5	+0.325399789	+0.004568190	+80	2437477.5	+0.759865476	+0.008006923	−2
2437418.5	+0.330068850	+0.004768488	+77	2437478.5	+0.767869143	+0.008000243	−3
2437419.5	+0.334933881	+0.004960136	+73	2437479.5	+0.775865612	+0.007992513	−3
2437420.5	+0.339986252	+0.005143174	+70	2437480.5	+0.783853796	+0.007983666	−4
2437421.5	+0.345217384	+0.005317679	+67	2437481.5	+0.791832559	+0.007973664	−4
2437422.5	+0.350618803	+0.005483766	+63	2437482.5	+0.799800737	+0.007962500	−5
2437423.5	+0.356182157	+0.005641578	+60	2437483.5	+0.807757181	+0.007950203	−5
2437424.5	+0.361899264	+0.005791305	+57	2437484.5	+0.815700786	+0.007936838	−5
2437425.5	+0.367762148	+0.005933177	+54	2437485.5	+0.823630526	+0.007922481	−6
2437426.5	+0.373763090	+0.006067466	+51	2437486.5	+0.831545446	+0.007907217	−6
2437427.5	+0.379894653	+0.006194477	+48	2437487.5	+0.839444688	+0.007891136	−6
2437428.5	+0.386149729	+0.006314546	+46	2437488.5	+0.847327471	+0.007874314	−7
2437429.5	+0.392521548	+0.006428025	+43	2437489.5	+0.855193095	+0.007856829	−7
2437430.5	+0.399003703	+0.006535276	+41	2437490.5	+0.863040931	+0.007838748	−7
2437431.5	+0.405590144	+0.006636658	+39	2437491.5	+0.870870413	+0.007820131	−7
2437432.5	+0.412275181	+0.006732525	+36	2437492.5	+0.878681031	+0.007801026	−8
2437433.5	+0.419053466	+0.006823209	+34	2437493.5	+0.886472319	+0.007781481	−8
2437434.5	+0.425919974	+0.006909019	+33	2437494.5	+0.894243860	+0.007761535	−8
2437435.5	+0.432869974	+0.006990238	+31	2437495.5	+0.901995265	+0.007741217	−8
2437436.5	+0.439899005	+0.007067120	+29	2437496.5	+0.909726180	+0.007720555	−8
2437437.5	+0.447002843	+0.007139887	+28	2437497.5	+0.917436267	+0.007699567	−8
2437438.5	+0.454177476	+0.007208746	+26	2437498.5	+0.925125211	+0.007678270	−8
2437439.5	+0.461419094	+0.007273882	+25	2437499.5	+0.932792709	+0.007656681	−8
2437440.5	+0.468724056	+0.007335465	+23	2437500.5	+0.940438477	+0.007634806	−9
2437441.5	+0.476088894	+0.007393656	+22	2437501.5	+0.948062228	+0.007612653	−9
2437442.5	+0.483510287	+0.007448603	+21	2437502.5	+0.955663691	+0.007590224	−9
2437443.5	+0.490985065	+0.007500444	+20	2437503.5	+0.963242580	+0.007567505	−9
2437444.5	+0.498510181	+0.007549301	+19	2437504.5	+0.970798596	+0.007544470	−9
2437445.5	+0.506082710	+0.007595286	+17	2437505.5	+0.978331400	+0.007521073	−9
2437446.5	+0.513699826	+0.007638489	+16	2437506.5	+0.985840598	+0.007497243	−9
2437447.5	+0.521358784	+0.007678980	+15	2437507.5	+0.993325711	+0.007472888	−10
2437448.5	+0.529056900	+0.007716812	+14	2437508.5	+1.000786166	+0.007447908	−10
2437449.5	+0.536791531	+0.007752012	+13	2437509.5	+1.008221289	+0.007422216	−10
2437450.5	+0.544560055	+0.007784605	+12	2437510.5	+1.015630339	+0.007395748	−10
2437451.5	+0.552359882	+0.007814621	+11	2437511.5	+1.023012518	+0.007368478	−11
2437452.5	+0.560188448	+0.007842092	+10	2437512.5	+1.030367034	+0.007340427	−11
2437453.5	+0.568043239	+0.007867085	+9	2437513.5	+1.037693125	+0.007311636	−11
2437454.5	+0.575921822	+0.007889693	+8	2437514.5	+1.044990080	+0.007282167	−12
2437455.5	+0.583821869	+0.007910033	+8	2437515.5	+1.052257257	+0.007252091	−12
2437456.5	+0.591741178	+0.007928242	+7	2437516.5	+1.059494081	+0.007221473	−12
2437457.5	+0.599677691	+0.007944464	+6	2437517.5	+1.066700042	+0.007190373	−12
2437458.5	+0.607629492	+0.007958844	+5	2437518.5	+1.073874685	+0.007158848	−12
2437459.5	+0.615594814	+0.007971528	+5	2437519.5	+1.081017614	+0.007126952	−13
2437460.5	+0.623572027	+0.007982650	+4	2437520.5	+1.088128479	+0.007094724	−13
2437461.5	+0.631559636	+0.007992337	+4	2437521.5	+1.095206968	+0.007062212	−13
2437462.5	+0.639556258	+0.008000696	+3	2437522.5	+1.102252822	+0.007029456	−13
2437463.5	+0.647560619	+0.008007828	+3	2437523.5	+1.109265810	+0.006996489	−13
2437464.5	+0.655571533	+0.008013816	+2	2437524.5	+1.116245742	+0.006963347	−13
2437465.5	+0.663587892	+0.008018728	+2	2437525.5	+1.123192453	+0.006930053	−13
2437466.5	+0.671608649	+0.008022621	+1	2437526.5	+1.130105808	+0.006896639	−13
2437467.5	+0.679632811	+0.008025543	+1	2437527.5	+1.136985697	+0.006863124	−13
2437468.5	+0.687659424	+0.008027530	+1	2437528.5	+1.143832031	+0.006829533	−13
2437469.5	+0.695687571	+0.008028616	0	2437529.5	+1.150644741	+0.006795877	−13
2437470.5	+0.703716365	+0.008028829	0	2437530.5	+1.157423768	+0.006762169	−13

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437531.5	+1.164169064	+0.006728414	-13	2437591.5	+1.497482292	+0.004279106	-17
2437532.5	+1.170880580	+0.006694609	-13	2437592.5	+1.501739889	+0.004236120	-17
2437533.5	+1.177558257	+0.006660727	-13	2437593.5	+1.505954587	+0.004193297	-17
2437534.5	+1.184201993	+0.006626720	-13	2437594.5	+1.510126510	+0.004150553	-17
2437535.5	+1.190811632	+0.006592517	-13	2437595.5	+1.514255687	+0.004107792	-17
2437536.5	+1.197386930	+0.006558022	-14	2437596.5	+1.518342062	+0.004064937	-17
2437537.5	+1.203927542	+0.006523127	-14	2437597.5	+1.522385501	+0.004021904	-17
2437538.5	+1.210433017	+0.006487733	-14	2437598.5	+1.526385793	+0.003978640	-17
2437539.5	+1.216902818	+0.006451769	-14	2437599.5	+1.530342697	+0.003935125	-17
2437540.5	+1.223336352	+0.006415196	-14	2437600.5	+1.534255956	+0.003891349	-17
2437541.5	+1.229733008	+0.006378018	-15	2437601.5	+1.538125311	+0.003847320	-17
2437542.5	+1.236092196	+0.006340266	-15	2437602.5	+1.541950518	+0.003803059	-17
2437543.5	+1.242413365	+0.006301988	-15	2437603.5	+1.545731359	+0.003758590	-17
2437544.5	+1.248696014	+0.006263236	-15	2437604.5	+1.549467637	+0.003713937	-17
2437545.5	+1.254939698	+0.006224066	-15	2437605.5	+1.553159180	+0.003669125	-18
2437546.5	+1.261144022	+0.006184525	-16	2437606.5	+1.556805842	+0.003624177	-18
2437547.5	+1.267308641	+0.006144662	-16	2437607.5	+1.560407496	+0.003579114	-18
2437548.5	+1.273433253	+0.006104519	-16	2437608.5	+1.563964042	+0.003533966	-18
2437549.5	+1.279517599	+0.006064135	-16	2437609.5	+1.567475410	+0.003488764	-18
2437550.5	+1.285561456	+0.006023548	-16	2437610.5	+1.570941566	+0.003443549	-18
2437551.5	+1.291564641	+0.005982800	-16	2437611.5	+1.574362519	+0.003398368	-18
2437552.5	+1.297527015	+0.005941929	-16	2437612.5	+1.577738330	+0.003353272	-18
2437553.5	+1.303448472	+0.005900976	-16	2437613.5	+1.581069114	+0.003308329	-18
2437554.5	+1.309328951	+0.005859976	-16	2437614.5	+1.584355059	+0.003263600	-17
2437555.5	+1.315168421	+0.005818966	-16	2437615.5	+1.587596405	+0.003219143	-17
2437556.5	+1.320966893	+0.005777984	-16	2437616.5	+1.590793454	+0.003175013	-17
2437557.5	+1.326724409	+0.005737061	-16	2437617.5	+1.593946552	+0.003131247	-17
2437558.5	+1.332441042	+0.005696220	-16	2437618.5	+1.597056076	+0.003087866	-17
2437559.5	+1.338116883	+0.005655482	-16	2437619.5	+1.600122413	+0.003044872	-17
2437560.5	+1.343752046	+0.005614863	-16	2437620.5	+1.603145945	+0.003002253	-17
2437561.5	+1.349346648	+0.005574361	-16	2437621.5	+1.606127032	+0.002959971	-16
2437562.5	+1.354900801	+0.005533958	-16	2437622.5	+1.609065981	+0.002917971	-16
2437563.5	+1.360414582	+0.005493610	-16	2437623.5	+1.611963046	+0.002876188	-16
2437564.5	+1.365888017	+0.005453252	-16	2437624.5	+1.614818402	+0.002834541	-16
2437565.5	+1.371321051	+0.005412790	-16	2437625.5	+1.617632150	+0.002792960	-16
2437566.5	+1.376713529	+0.005372124	-16	2437626.5	+1.620404321	+0.002751375	-16
2437567.5	+1.382065199	+0.005331158	-16	2437627.5	+1.623134879	+0.002709727	-16
2437568.5	+1.387375718	+0.005289813	-16	2437628.5	+1.625823741	+0.002667978	-16
2437569.5	+1.392644682	+0.005248041	-16	2437629.5	+1.628470795	+0.002626110	-16
2437570.5	+1.397871653	+0.005205830	-17	2437630.5	+1.631075916	+0.002584108	-16
2437571.5	+1.403056201	+0.005163195	-17	2437631.5	+1.633638966	+0.002541971	-16
2437572.5	+1.408197912	+0.005120165	-17	2437632.5	+1.636159815	+0.002499706	-17
2437573.5	+1.413296413	+0.005076779	-17	2437633.5	+1.638638337	+0.002457316	-17
2437574.5	+1.418351364	+0.005033075	-17	2437634.5	+1.641074409	+0.002414811	-17
2437575.5	+1.423362470	+0.004989094	-17	2437635.5	+1.643467922	+0.002372196	-17
2437576.5	+1.428329472	+0.004944873	-17	2437636.5	+1.645818767	+0.002329479	-17
2437577.5	+1.433252148	+0.004900447	-17	2437637.5	+1.648126850	+0.002286673	-17
2437578.5	+1.438130307	+0.004855845	-17	2437638.5	+1.650392088	+0.002243794	-17
2437579.5	+1.442963793	+0.004811108	-17	2437639.5	+1.652614424	+0.002200874	-17
2437580.5	+1.447752491	+0.004766274	-18	2437640.5	+1.654793836	+0.002157953	-17
2437581.5	+1.452496322	+0.004721382	-18	2437641.5	+1.656930349	+0.002115090	-17
2437582.5	+1.457195252	+0.004676479	-18	2437642.5	+1.659024058	+0.002072355	-17
2437583.5	+1.461849293	+0.004631614	-18	2437643.5	+1.661075128	+0.002029828	-17
2437584.5	+1.466458508	+0.004586834	-17	2437644.5	+1.663083807	+0.001987581	-16
2437585.5	+1.471023006	+0.004542190	-17	2437645.5	+1.665050405	+0.001945679	-16
2437586.5	+1.475542948	+0.004497727	-17	2437646.5	+1.666975298	+0.001904174	-16
2437587.5	+1.480018533	+0.004453482	-17	2437647.5	+1.668858893	+0.001863087	-16
2437588.5	+1.484449996	+0.004409487	-17	2437648.5	+1.670701611	+0.001822418	-16
2437589.5	+1.488837597	+0.004365759	-17	2437649.5	+1.672503862	+0.001782148	-16
2437590.5	+1.493181606	+0.004322305	-17	2437650.5	+1.674266028	+0.001742242	-16

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437651.5	+1.675988452	+0.001702653	-15	2437711.5	+1.706989537	-0.000689314	-16
2437652.5	+1.677671420	+0.001663320	-15	2437712.5	+1.706279746	-0.000730274	-16
2437653.5	+1.679315157	+0.001624182	-15	2437713.5	+1.705528969	-0.000771293	-16
2437654.5	+1.680919828	+0.001585174	-15	2437714.5	+1.704737128	-0.000812409	-16
2437655.5	+1.682485528	+0.001546233	-15	2437715.5	+1.703904106	-0.000853662	-16
2437656.5	+1.684012299	+0.001507308	-15	2437716.5	+1.703029744	-0.000895095	-16
2437657.5	+1.685500133	+0.001468351	-15	2437717.5	+1.702113844	-0.000936743	-16
2437658.5	+1.686948978	+0.001429327	-15	2437718.5	+1.701156173	-0.000978644	-17
2437659.5	+1.688358756	+0.001390211	-15	2437719.5	+1.700156458	-0.001020837	-17
2437660.5	+1.689729362	+0.001350980	-15	2437720.5	+1.699114391	-0.001063354	-17
2437661.5	+1.691060674	+0.001311622	-15	2437721.5	+1.698029631	-0.001106229	-17
2437662.5	+1.692352560	+0.001272124	-15	2437722.5	+1.696901799	-0.001149506	-17
2437663.5	+1.693604872	+0.001232474	-16	2437723.5	+1.695730474	-0.001193219	-17
2437664.5	+1.694817455	+0.001192663	-16	2437724.5	+1.694515205	-0.001237401	-18
2437665.5	+1.695990140	+0.001152677	-16	2437725.5	+1.693255503	-0.001282090	-18
2437666.5	+1.697122748	+0.001112509	-16	2437726.5	+1.691950850	-0.001327303	-18
2437667.5	+1.698215098	+0.001072161	-16	2437727.5	+1.690600722	-0.001373040	-18
2437668.5	+1.699267012	+0.001031640	-16	2437728.5	+1.689204606	-0.001419268	-18
2437669.5	+1.700278332	+0.000990981	-16	2437729.5	+1.687762043	-0.001465923	-18
2437670.5	+1.701248944	+0.000950233	-16	2437730.5	+1.686272651	-0.001512906	-19
2437671.5	+1.702178792	+0.000909469	-16	2437731.5	+1.684736159	-0.001560104	-19
2437672.5	+1.703067908	+0.000868783	-16	2437732.5	+1.683152407	-0.001607412	-19
2437673.5	+1.703916413	+0.000828263	-16	2437733.5	+1.681521328	-0.001654742	-19
2437674.5	+1.704724517	+0.000787992	-16	2437734.5	+1.679842934	-0.001702038	-19
2437675.5	+1.705492499	+0.000748027	-16	2437735.5	+1.678117269	-0.001749282	-19
2437676.5	+1.706220683	+0.000708396	-16	2437736.5	+1.676344391	-0.001796462	-19
2437677.5	+1.706909402	+0.000669099	-15	2437737.5	+1.674524361	-0.001843592	-19
2437678.5	+1.707558987	+0.000630122	-15	2437738.5	+1.672657215	-0.001890697	-19
2437679.5	+1.708169739	+0.000591424	-15	2437739.5	+1.670742970	-0.001937792	-19
2437680.5	+1.708741915	+0.000552965	-15	2437740.5	+1.668781626	-0.001984904	-19
2437681.5	+1.709275733	+0.000514696	-15	2437741.5	+1.666773149	-0.002032056	-19
2437682.5	+1.709771352	+0.000476562	-15	2437742.5	+1.664717492	-0.002079274	-19
2437683.5	+1.710228884	+0.000438510	-15	2437743.5	+1.662614570	-0.002126585	-19
2437684.5	+1.710648382	+0.000400488	-15	2437744.5	+1.660464282	-0.002174015	-19
2437685.5	+1.711029854	+0.000362448	-15	2437745.5	+1.658266491	-0.002221593	-19
2437686.5	+1.711373256	+0.000324341	-15	2437746.5	+1.656021035	-0.002269354	-19
2437687.5	+1.711678500	+0.000286126	-15	2437747.5	+1.653727712	-0.002317329	-19
2437688.5	+1.711945460	+0.000247769	-15	2437748.5	+1.651386293	-0.002365557	-19
2437689.5	+1.712173978	+0.000209234	-15	2437749.5	+1.648996501	-0.002414077	-19
2437690.5	+1.712363860	+0.000170495	-15	2437750.5	+1.646558031	-0.002462922	-19
2437691.5	+1.712514890	+0.000131523	-15	2437751.5	+1.644070532	-0.002512141	-20
2437692.5	+1.712626818	+0.000092289	-16	2437752.5	+1.641533611	-0.002561773	-20
2437693.5	+1.712699373	+0.000052771	-16	2437753.5	+1.638946834	-0.002611861	-20
2437694.5	+1.712732255	+0.000012938	-16	2437754.5	+1.636309727	-0.002662436	-20
2437695.5	+1.712725136	-0.000027235	-16	2437755.5	+1.633621789	-0.002713529	-20
2437696.5	+1.712677665	-0.000067767	-16	2437756.5	+1.630882494	-0.002765145	-20
2437697.5	+1.712589480	-0.000108663	-16	2437757.5	+1.628091335	-0.002817253	-21
2437698.5	+1.712460220	-0.000149913	-16	2437758.5	+1.625247843	-0.002869797	-21
2437699.5	+1.712289549	-0.000191476	-16	2437759.5	+1.622351628	-0.002922681	-21
2437700.5	+1.712077190	-0.000233273	-17	2437760.5	+1.619402404	-0.002975795	-21
2437701.5	+1.711822956	-0.000275212	-17	2437761.5	+1.616399997	-0.003029032	-21
2437702.5	+1.711526752	-0.000317193	-17	2437762.5	+1.613344332	-0.003082294	-21
2437703.5	+1.711188591	-0.000359111	-17	2437763.5	+1.610235425	-0.003135510	-21
2437704.5	+1.710808573	-0.000400900	-16	2437764.5	+1.607073342	-0.003188637	-21
2437705.5	+1.710386848	-0.000442520	-16	2437765.5	+1.603858189	-0.003241649	-21
2437706.5	+1.709923593	-0.000483960	-16	2437766.5	+1.600590084	-0.003294539	-21
2437707.5	+1.709418983	-0.000525235	-16	2437767.5	+1.597269152	-0.003347304	-21
2437708.5	+1.708873169	-0.000566372	-16	2437768.5	+1.593895516	-0.003399949	-21
2437709.5	+1.708286274	-0.000607406	-16	2437769.5	+1.590469295	-0.003452472	-21
2437710.5	+1.707658380	-0.000648373	-16	2437770.5	+1.586990611	-0.003504880	-21

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437771.5	+1.583459571	-0.003557182	-21	2437831.5	+1.277543038	-0.006516125	-15
2437772.5	+1.579876281	-0.003609382	-21	2437832.5	+1.271007504	-0.006554820	-15
2437773.5	+1.576240836	-0.003661494	-21	2437833.5	+1.264433643	-0.006592781	-15
2437774.5	+1.572553317	-0.003713533	-21	2437834.5	+1.257822178	-0.006630036	-15
2437775.5	+1.568813787	-0.003765522	-21	2437835.5	+1.251173792	-0.006666628	-14
2437776.5	+1.565022280	-0.003817489	-21	2437836.5	+1.244489123	-0.006702616	-14
2437777.5	+1.561178806	-0.003869465	-21	2437837.5	+1.237768736	-0.006738076	-14
2437778.5	+1.557283331	-0.003921497	-21	2437838.5	+1.231013122	-0.006773085	-14
2437779.5	+1.553335780	-0.003973623	-21	2437839.5	+1.224222692	-0.006807717	-14
2437780.5	+1.549336038	-0.004025888	-21	2437840.5	+1.217397792	-0.006842035	-14
2437781.5	+1.545283941	-0.004078341	-21	2437841.5	+1.210538709	-0.006876091	-13
2437782.5	+1.541179278	-0.004131028	-21	2437842.5	+1.203645686	-0.006909918	-13
2437783.5	+1.537021795	-0.004183985	-21	2437843.5	+1.196718944	-0.006943530	-13
2437784.5	+1.532811208	-0.004237240	-21	2437844.5	+1.189758701	-0.006976915	-13
2437785.5	+1.528547215	-0.004290794	-21	2437845.5	+1.182765197	-0.007010051	-13
2437786.5	+1.524229526	-0.004344629	-21	2437846.5	+1.175738698	-0.007042891	-13
2437787.5	+1.519857881	-0.004398691	-21	2437847.5	+1.168679531	-0.007075382	-13
2437788.5	+1.515432096	-0.004452895	-21	2437848.5	+1.161588068	-0.007107470	-13
2437789.5	+1.510952074	-0.004507149	-21	2437849.5	+1.154464747	-0.007139088	-12
2437790.5	+1.506417818	-0.004561344	-21	2437850.5	+1.147310066	-0.007170184	-12
2437791.5	+1.501829437	-0.004615387	-21	2437851.5	+1.140124569	-0.007200709	-12
2437792.5	+1.497187119	-0.004669205	-21	2437852.5	+1.132908853	-0.007230621	-12
2437793.5	+1.492491122	-0.004722737	-21	2437853.5	+1.125663544	-0.007259884	-11
2437794.5	+1.487741753	-0.004775944	-21	2437854.5	+1.118389312	-0.007288466	-11
2437795.5	+1.482939351	-0.004828799	-21	2437855.5	+1.111086847	-0.007316341	-11
2437796.5	+1.478084280	-0.004881280	-21	2437856.5	+1.103756875	-0.007343479	-11
2437797.5	+1.473176920	-0.004933375	-20	2437857.5	+1.096400144	-0.007369852	-10
2437798.5	+1.468217665	-0.004985066	-20	2437858.5	+1.089017438	-0.007395424	-10
2437799.5	+1.463206925	-0.005036345	-20	2437859.5	+1.081609571	-0.007420170	-10
2437800.5	+1.458145117	-0.005087199	-20	2437860.5	+1.074177383	-0.007444062	-9
2437801.5	+1.453032672	-0.005137620	-20	2437861.5	+1.066721738	-0.007467082	-9
2437802.5	+1.447870023	-0.005187606	-20	2437862.5	+1.059243508	-0.007489234	-9
2437803.5	+1.442657605	-0.005237159	-19	2437863.5	+1.051743552	-0.007510539	-8
2437804.5	+1.437395844	-0.005286294	-19	2437864.5	+1.044222696	-0.007531047	-8
2437805.5	+1.432085148	-0.005335036	-19	2437865.5	+1.036681698	-0.007550836	-8
2437806.5	+1.426725890	-0.005383424	-19	2437866.5	+1.029121235	-0.007569993	-7
2437807.5	+1.421318404	-0.005431500	-19	2437867.5	+1.021541889	-0.007588617	-7
2437808.5	+1.415862976	-0.005479319	-19	2437868.5	+1.013944148	-0.007606798	-7
2437809.5	+1.410359832	-0.005526942	-19	2437869.5	+1.006328418	-0.007624605	-7
2437810.5	+1.404809138	-0.005574426	-19	2437870.5	+0.998695044	-0.007642094	-7
2437811.5	+1.399211009	-0.005621822	-19	2437871.5	+0.991044323	-0.007659303	-7
2437812.5	+1.393565509	-0.005669174	-19	2437872.5	+0.983376529	-0.007676239	-7
2437813.5	+1.387872666	-0.005716511	-19	2437873.5	+0.975691936	-0.007692903	-7
2437814.5	+1.382132489	-0.005763840	-19	2437874.5	+0.967990818	-0.007709280	-6
2437815.5	+1.376344995	-0.005811142	-19	2437875.5	+0.960273481	-0.007725340	-6
2437816.5	+1.370510226	-0.005858380	-19	2437876.5	+0.952540255	-0.007741049	-6
2437817.5	+1.364628278	-0.005905487	-19	2437877.5	+0.944791514	-0.007756364	-6
2437818.5	+1.358699320	-0.005952388	-18	2437878.5	+0.937027672	-0.007771243	-6
2437819.5	+1.352723599	-0.005998998	-18	2437879.5	+0.929249187	-0.007785643	-6
2437820.5	+1.346701448	-0.006045236	-18	2437880.5	+0.921456561	-0.007799517	-5
2437821.5	+1.340633275	-0.006091031	-18	2437881.5	+0.913650341	-0.007812829	-5
2437822.5	+1.334519551	-0.006136331	-18	2437882.5	+0.905831103	-0.007825543	-5
2437823.5	+1.328360795	-0.006181086	-18	2437883.5	+0.897999466	-0.007837622	-5
2437824.5	+1.322157573	-0.006225260	-17	2437884.5	+0.890156081	-0.007849034	-4
2437825.5	+1.315910479	-0.006268823	-17	2437885.5	+0.882301635	-0.007859735	-4
2437826.5	+1.309620137	-0.006311755	-17	2437886.5	+0.874436861	-0.007869688	-4
2437827.5	+1.303287188	-0.006354031	-17	2437887.5	+0.866562524	-0.007878848	-3
2437828.5	+1.296912303	-0.006395625	-16	2437888.5	+0.858679447	-0.007887163	-3
2437829.5	+1.290496172	-0.006436518	-16	2437889.5	+0.850788493	-0.007894594	-3
2437830.5	+1.284039507	-0.006476690	-16	2437890.5	+0.842890568	-0.007901099	-2

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2437891.5	+0.834986611	-0.007906658	-2	2437951.5	+0.381458004	-0.006310986	+40
2437892.5	+0.827077561	-0.007911290	-2	2437952.5	+0.375197999	-0.006208098	+42
2437893.5	+0.819164327	-0.007915035	-1	2437953.5	+0.369043683	-0.006099584	+44
2437894.5	+0.811247762	-0.007917969	-1	2437954.5	+0.363000755	-0.005985299	+46
2437895.5	+0.803328625	-0.007920194	-1	2437955.5	+0.357075065	-0.005865074	+49
2437896.5	+0.795407577	-0.007921808	-1	2437956.5	+0.351272656	-0.005738701	+51
2437897.5	+0.787485184	-0.007922897	0	2437957.5	+0.345599790	-0.005605947	+54
2437898.5	+0.779561935	-0.007923532	0	2437958.5	+0.340062971	-0.005466565	+56
2437899.5	+0.771638258	-0.007923754	0	2437959.5	+0.334668957	-0.005320291	+59
2437900.5	+0.763714557	-0.007923584	0	2437960.5	+0.329424775	-0.005166857	+62
2437901.5	+0.755791218	-0.007923028	0	2437961.5	+0.324337715	-0.005006008	+65
2437902.5	+0.747868634	-0.007922073	0	2437962.5	+0.319415313	-0.004837498	+68
2437903.5	+0.739947211	-0.007920699	+1	2437963.5	+0.314665352	-0.004661091	+71
2437904.5	+0.732027386	-0.007918873	+1	2437964.5	+0.310095833	-0.004476580	+75
2437905.5	+0.724109627	-0.007916560	+1	2437965.5	+0.305714954	-0.004283784	+78
2437906.5	+0.716194444	-0.007913714	+1	2437966.5	+0.301531077	-0.004082553	+81
2437907.5	+0.708282392	-0.007910289	+1	2437967.5	+0.297552696	-0.003872778	+85
2437908.5	+0.700374077	-0.007906232	+2	2437968.5	+0.293788387	-0.003654405	+88
2437909.5	+0.692470157	-0.007901489	+2	2437969.5	+0.290246754	-0.003427428	+91
2437910.5	+0.684571348	-0.007896000	+2	2437970.5	+0.286936378	-0.003191914	+95
2437911.5	+0.676678424	-0.007889711	+3	2437971.5	+0.283865727	-0.002948000	+98
2437912.5	+0.668792213	-0.007882562	+3	2437972.5	+0.281043107	-0.002695903	+101
2437913.5	+0.660913608	-0.007874487	+3	2437973.5	+0.278476546	-0.002435937	+104
2437914.5	+0.653043571	-0.007865413	+4	2437974.5	+0.276173723	-0.002168506	+107
2437915.5	+0.645183139	-0.007855266	+4	2437975.5	+0.274141851	-0.001894129	+110
2437916.5	+0.637333426	-0.007843958	+5	2437976.5	+0.272387572	-0.001613436	+112
2437917.5	+0.629495640	-0.007831398	+5	2437977.5	+0.270916835	-0.001327178	+114
2437918.5	+0.621671077	-0.007817496	+6	2437978.5	+0.269734777	-0.001036239	+116
2437919.5	+0.613861126	-0.007802161	+6	2437979.5	+0.268845586	-0.000741615	+117
2437920.5	+0.606067255	-0.007785328	+7	2437980.5	+0.268252411	-0.000444399	+118
2437921.5	+0.598290979	-0.007766969	+8	2437981.5	+0.267957272	-0.000145731	+118
2437922.5	+0.590533825	-0.007747088	+8	2437982.5	+0.267961050	+0.000153241	+118
2437923.5	+0.582797298	-0.007725725	+9	2437983.5	+0.268263475	+0.000451378	+117
2437924.5	+0.575082850	-0.007702939	+9	2437984.5	+0.268863167	+0.000747599	+116
2437925.5	+0.567391875	-0.007678788	+10	2437985.5	+0.269757695	+0.001040886	+115
2437926.5	+0.559725715	-0.007653312	+10	2437986.5	+0.270943647	+0.001330298	+113
2437927.5	+0.552085688	-0.007626522	+11	2437987.5	+0.272416709	+0.001614966	+111
2437928.5	+0.544473114	-0.007598402	+11	2437988.5	+0.274171735	+0.001894105	+109
2437929.5	+0.536889342	-0.007568907	+12	2437989.5	+0.276202840	+0.002167011	+106
2437930.5	+0.529335780	-0.007537972	+13	2437990.5	+0.278503473	+0.002433066	+104
2437931.5	+0.521813904	-0.007505520	+13	2437991.5	+0.281066516	+0.002691756	+101
2437932.5	+0.514325276	-0.007471459	+14	2437992.5	+0.283884386	+0.002942653	+98
2437933.5	+0.506871556	-0.007435686	+14	2437993.5	+0.286949113	+0.003185426	+94
2437934.5	+0.499454514	-0.007398083	+15	2437994.5	+0.290252451	+0.003419839	+91
2437935.5	+0.492076041	-0.007358526	+16	2437995.5	+0.293785952	+0.003645735	+88
2437936.5	+0.484738159	-0.007316878	+17	2437996.5	+0.297541059	+0.003863047	+84
2437937.5	+0.477443032	-0.007272989	+18	2437997.5	+0.301509187	+0.004071783	+81
2437938.5	+0.470192982	-0.007226698	+19	2437998.5	+0.305681785	+0.004272001	+77
2437939.5	+0.462990493	-0.007177836	+20	2437999.5	+0.310050388	+0.004463816	+74
2437940.5	+0.455838230	-0.007126214	+21	2438000.5	+0.314606668	+0.004647384	+71
2437941.5	+0.448739050	-0.007071638	+22	2438001.5	+0.319342465	+0.004822880	+68
2437942.5	+0.441696009	-0.007013898	+23	2438002.5	+0.324249803	+0.004990500	+65
2437943.5	+0.434712384	-0.006952768	+25	2438003.5	+0.329320908	+0.005150448	+62
2437944.5	+0.427791684	-0.006888006	+26	2438004.5	+0.334548208	+0.005302924	+59
2437945.5	+0.420937669	-0.006819354	+28	2438005.5	+0.339924328	+0.005448116	+56
2437946.5	+0.414154362	-0.006746544	+30	2438006.5	+0.345442071	+0.005586201	+53
2437947.5	+0.407446060	-0.006669299	+31	2438007.5	+0.351094416	+0.005717344	+50
2437948.5	+0.400817332	-0.006587352	+33	2438008.5	+0.356874496	+0.005841698	+48
2437949.5	+0.394273006	-0.006500456	+35	2438009.5	+0.362775604	+0.005959427	+45
2437950.5	+0.387818143	-0.006408391	+37	2438010.5	+0.368791201	+0.006070711	+43

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438011.5	+0.374914946	+0.006175756	+40	2438071.5	+0.815865641	+0.007561549	−4
2438012.5	+0.381140710	+0.006274793	+38	2438072.5	+0.823422358	+0.007551774	−4
2438013.5	+0.387462617	+0.006368087	+36	2438073.5	+0.830968971	+0.007541345	−4
2438014.5	+0.393875059	+0.006455908	+34	2438074.5	+0.838504836	+0.007530279	−5
2438015.5	+0.400372702	+0.006538538	+32	2438075.5	+0.846029325	+0.007518600	−5
2438016.5	+0.406950497	+0.006616253	+30	2438076.5	+0.853541838	+0.007506329	−5
2438017.5	+0.413603659	+0.006689320	+28	2438077.5	+0.861041793	+0.007493490	−5
2438018.5	+0.420327675	+0.006758000	+26	2438078.5	+0.868528638	+0.007480111	−5
2438019.5	+0.427118277	+0.006822534	+25	2438079.5	+0.876001845	+0.007466221	−6
2438020.5	+0.433971442	+0.006883165	+23	2438080.5	+0.883460922	+0.007451859	−6
2438021.5	+0.440883381	+0.006940117	+22	2438081.5	+0.890905422	+0.007437076	−6
2438022.5	+0.447850524	+0.006993613	+20	2438082.5	+0.898334955	+0.007421937	−6
2438023.5	+0.454869531	+0.007043880	+19	2438083.5	+0.905749205	+0.007406526	−6
2438024.5	+0.461937279	+0.007091133	+18	2438084.5	+0.913147948	+0.007390939	−6
2438025.5	+0.469050864	+0.007135587	+17	2438085.5	+0.920531057	+0.007375272	−6
2438026.5	+0.476207590	+0.007177451	+16	2438086.5	+0.927898492	+0.007359602	−6
2438027.5	+0.483404968	+0.007216919	+15	2438087.5	+0.935250281	+0.007343989	−6
2438028.5	+0.490640690	+0.007254171	+14	2438088.5	+0.942586497	+0.007328454	−6
2438029.5	+0.497912623	+0.007289361	+14	2438089.5	+0.949907210	+0.007312980	−6
2438030.5	+0.505218768	+0.007322616	+13	2438090.5	+0.957212466	+0.007297532	−6
2438031.5	+0.512557245	+0.007354039	+12	2438091.5	+0.964502265	+0.007282055	−6
2438032.5	+0.519926257	+0.007383693	+12	2438092.5	+0.971776545	+0.007266485	−6
2438033.5	+0.527324058	+0.007411627	+11	2438093.5	+0.979035183	+0.007250760	−6
2438034.5	+0.534748946	+0.007437867	+10	2438094.5	+0.986277993	+0.007234821	−6
2438035.5	+0.542199229	+0.007462417	+9	2438095.5	+0.993504734	+0.007218611	−7
2438036.5	+0.549673214	+0.007485269	+9	2438096.5	+1.000715108	+0.007202081	−7
2438037.5	+0.557169197	+0.007506411	+8	2438097.5	+1.007908777	+0.007185193	−7
2438038.5	+0.564685464	+0.007525838	+7	2438098.5	+1.015085361	+0.007167907	−7
2438039.5	+0.572220303	+0.007543556	+7	2438099.5	+1.022244449	+0.007150196	−7
2438040.5	+0.579772013	+0.007559587	+6	2438100.5	+1.029385606	+0.007132043	−7
2438041.5	+0.587338928	+0.007573971	+5	2438101.5	+1.036508382	+0.007113431	−8
2438042.5	+0.594919423	+0.007586759	+5	2438102.5	+1.043612312	+0.007094350	−8
2438043.5	+0.602511937	+0.007598020	+4	2438103.5	+1.050696925	+0.007074798	−8
2438044.5	+0.610114979	+0.007607829	+4	2438104.5	+1.057761751	+0.007054774	−8
2438045.5	+0.617727134	+0.007616256	+3	2438105.5	+1.064806315	+0.007034275	−8
2438046.5	+0.625347055	+0.007623374	+3	2438106.5	+1.071830144	+0.007013304	−8
2438047.5	+0.632973470	+0.007629255	+2	2438107.5	+1.078832767	+0.006991866	−9
2438048.5	+0.640605174	+0.007633964	+2	2438108.5	+1.085813724	+0.006969973	−9
2438049.5	+0.648241029	+0.007637568	+1	2438109.5	+1.092772567	+0.006947643	−9
2438050.5	+0.655879966	+0.007640141	+1	2438110.5	+1.099708877	+0.006924915	−9
2438051.5	+0.663520989	+0.007641749	0	2438111.5	+1.106622281	+0.006901841	−9
2438052.5	+0.671163170	+0.007642474	0	2438112.5	+1.113512471	+0.006878504	−9
2438053.5	+0.678805674	+0.007642410	0	2438113.5	+1.120379233	+0.006854999	−9
2438054.5	+0.686447761	+0.007641657	0	2438114.5	+1.127222446	+0.006831425	−9
2438055.5	+0.694088793	+0.007640317	−1	2438115.5	+1.134042093	+0.006807880	−9
2438056.5	+0.701728231	+0.007638486	−1	2438116.5	+1.140838236	+0.006784423	−9
2438057.5	+0.709365631	+0.007636254	−1	2438117.5	+1.147610978	+0.006761080	−9
2438058.5	+0.717000626	+0.007633682	−1	2438118.5	+1.154360431	+0.006737839	−9
2438059.5	+0.724632893	+0.007630802	−1	2438119.5	+1.161086677	+0.006714661	−9
2438060.5	+0.732262131	+0.007627624	−1	2438120.5	+1.167789755	+0.006691489	−9
2438061.5	+0.739888036	+0.007624129	−1	2438121.5	+1.174469636	+0.006668259	−9
2438062.5	+0.747510270	+0.007620274	−2	2438122.5	+1.181126233	+0.006644911	−9
2438063.5	+0.755128450	+0.007616016	−2	2438123.5	+1.187759400	+0.006621391	−9
2438064.5	+0.762742150	+0.007611301	−2	2438124.5	+1.194368939	+0.006597645	−10
2438065.5	+0.770350879	+0.007606067	−2	2438125.5	+1.200954598	+0.006573624	−10
2438066.5	+0.777954095	+0.007600268	−2	2438126.5	+1.207516083	+0.006549290	−10
2438067.5	+0.785551211	+0.007593857	−3	2438127.5	+1.214053061	+0.006524604	−10
2438068.5	+0.793141591	+0.007586794	−3	2438128.5	+1.220565160	+0.006499526	−10
2438069.5	+0.800724575	+0.007579061	−3	2438129.5	+1.227051973	+0.006474027	−10
2438070.5	+0.808299486	+0.007570647	−3	2438130.5	+1.233513066	+0.006448082	−10

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438131.5	+1.239947980	+0.006421665	-11	2438191.5	+1.564343350	+0.004193123	-19
2438132.5	+1.246356230	+0.006394750	-11	2438192.5	+1.568512815	+0.004145711	-19
2438133.5	+1.252737310	+0.006367324	-11	2438193.5	+1.572634576	+0.004097711	-19
2438134.5	+1.259090701	+0.006339368	-11	2438194.5	+1.576708033	+0.004049097	-20
2438135.5	+1.265415866	+0.006310872	-11	2438195.5	+1.580732562	+0.003999858	-20
2438136.5	+1.271712261	+0.006281825	-12	2438196.5	+1.584707541	+0.003949996	-20
2438137.5	+1.277979331	+0.006252222	-12	2438197.5	+1.588632353	+0.003899530	-20
2438138.5	+1.284216524	+0.006222075	-12	2438198.5	+1.592506415	+0.003848508	-20
2438139.5	+1.290423307	+0.006191408	-12	2438199.5	+1.596329207	+0.003796999	-21
2438140.5	+1.296599182	+0.006160269	-13	2438200.5	+1.600100282	+0.003745096	-21
2438141.5	+1.302743712	+0.006128734	-13	2438201.5	+1.603819302	+0.003692904	-21
2438142.5	+1.308856549	+0.006096898	-13	2438202.5	+1.607486025	+0.003640518	-21
2438143.5	+1.314937445	+0.006064872	-13	2438203.5	+1.611100303	+0.003588028	-21
2438144.5	+1.320986264	+0.006032759	-13	2438204.5	+1.614662067	+0.003535497	-21
2438145.5	+1.327002957	+0.006000628	-13	2438205.5	+1.618171295	+0.003482959	-21
2438146.5	+1.332987528	+0.005968519	-13	2438206.5	+1.621627987	+0.003430426	-21
2438147.5	+1.338940002	+0.005936431	-13	2438207.5	+1.625032149	+0.003377897	-21
2438148.5	+1.344860388	+0.005904336	-13	2438208.5	+1.628383779	+0.003325360	-21
2438149.5	+1.350748656	+0.005872185	-13	2438209.5	+1.631682861	+0.003272799	-21
2438150.5	+1.356604723	+0.005839929	-13	2438210.5	+1.634929365	+0.003220201	-21
2438151.5	+1.362428463	+0.005807520	-13	2438211.5	+1.638123246	+0.003167552	-21
2438152.5	+1.368219694	+0.005774902	-13	2438212.5	+1.641264445	+0.003114833	-21
2438153.5	+1.373978184	+0.005742034	-13	2438213.5	+1.644352883	+0.003062029	-21
2438154.5	+1.379703667	+0.005708880	-13	2438214.5	+1.647388469	+0.003009125	-21
2438155.5	+1.385395834	+0.005675397	-13	2438215.5	+1.650371092	+0.002956097	-21
2438156.5	+1.391054340	+0.005641551	-14	2438216.5	+1.653300611	+0.002902915	-21
2438157.5	+1.396678802	+0.005607305	-14	2438217.5	+1.656176857	+0.002849540	-21
2438158.5	+1.402268804	+0.005572623	-14	2438218.5	+1.658999612	+0.002795929	-21
2438159.5	+1.407823891	+0.005537470	-14	2438219.5	+1.661768621	+0.002742036	-22
2438160.5	+1.413343577	+0.005501816	-14	2438220.5	+1.664483573	+0.002687810	-22
2438161.5	+1.418827344	+0.005465626	-15	2438221.5	+1.667144113	+0.002633200	-22
2438162.5	+1.424274639	+0.005428867	-15	2438222.5	+1.669749832	+0.002578166	-22
2438163.5	+1.429684879	+0.005391513	-15	2438223.5	+1.672300295	+0.002522682	-22
2438164.5	+1.435057459	+0.005353544	-15	2438224.5	+1.674795041	+0.002466732	-22
2438165.5	+1.440391754	+0.005314939	-16	2438225.5	+1.677233604	+0.002410318	-23
2438166.5	+1.445687120	+0.005275685	-16	2438226.5	+1.679615530	+0.002353465	-23
2438167.5	+1.450942911	+0.005235791	-16	2438227.5	+1.681940402	+0.002296219	-23
2438168.5	+1.456158495	+0.005195274	-16	2438228.5	+1.684207858	+0.002238645	-23
2438169.5	+1.461333267	+0.005154180	-17	2438229.5	+1.686417610	+0.002180827	-23
2438170.5	+1.466466688	+0.005112586	-17	2438230.5	+1.688569461	+0.002122858	-23
2438171.5	+1.471558301	+0.005070579	-17	2438231.5	+1.690663306	+0.002064829	-23
2438172.5	+1.476607747	+0.005028274	-17	2438232.5	+1.692699125	+0.002006819	-23
2438173.5	+1.481614784	+0.004985773	-17	2438233.5	+1.694676973	+0.001948896	-23
2438174.5	+1.486579256	+0.004943159	-17	2438234.5	+1.696596961	+0.001891105	-23
2438175.5	+1.491501082	+0.004900486	-17	2438235.5	+1.698459238	+0.001833479	-23
2438176.5	+1.496380213	+0.004857767	-17	2438236.5	+1.700263979	+0.001776033	-23
2438177.5	+1.501216599	+0.004814995	-17	2438237.5	+1.702011367	+0.001718776	-23
2438178.5	+1.506010178	+0.004772146	-17	2438238.5	+1.703701596	+0.001661713	-23
2438179.5	+1.510760853	+0.004729182	-17	2438239.5	+1.705334857	+0.001604843	-23
2438180.5	+1.515468495	+0.004686076	-17	2438240.5	+1.706911347	+0.001548170	-23
2438181.5	+1.520132945	+0.004642788	-17	2438241.5	+1.708431262	+0.001491692	-23
2438182.5	+1.524753999	+0.004599283	-17	2438242.5	+1.709894796	+0.001435409	-22
2438183.5	+1.529331432	+0.004555540	-18	2438243.5	+1.711302143	+0.001379315	-22
2438184.5	+1.533864990	+0.004511528	-18	2438244.5	+1.712653484	+0.001323396	-22
2438185.5	+1.538354388	+0.004467215	-18	2438245.5	+1.713948986	+0.001267629	-22
2438186.5	+1.542799310	+0.004422572	-18	2438246.5	+1.715188781	+0.001211979	-22
2438187.5	+1.547199411	+0.004377566	-18	2438247.5	+1.716372966	+0.001156395	-22
2438188.5	+1.551554307	+0.004332156	-18	2438248.5	+1.717501572	+0.001100815	-22
2438189.5	+1.555863576	+0.004286304	-18	2438249.5	+1.718574576	+0.001045177	-22
2438190.5	+1.560126756	+0.004239974	-19	2438250.5	+1.719591885	+0.000989415	-22

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438251.5	+1.720553345	+0.000933471	−22
2438252.5	+1.721458755	+0.000877312	−22
2438253.5	+1.722307890	+0.000820917	−23
2438254.5	+1.723100510	+0.000764286	−23
2438255.5	+1.723836393	+0.000707447	−23
2438256.5	+1.724515348	+0.000650440	−23
2438257.5	+1.725137235	+0.000593321	−23
2438258.5	+1.725701976	+0.000536162	−23
2438259.5	+1.726209568	+0.000479032	−23
2438260.5	+1.726660076	+0.000422012	−23
2438261.5	+1.727053651	+0.000365171	−23
2438262.5	+1.727390496	+0.000308562	−23
2438263.5	+1.727670871	+0.000252241	−22
2438264.5	+1.727895086	+0.000196243	−22
2438265.5	+1.728063474	+0.000140596	−22
2438266.5	+1.728176402	+0.000085323	−22
2438267.5	+1.728234249	+0.000030437	−22
2438268.5	+1.728237411	−0.000024045	−22
2438269.5	+1.728186298	−0.000078111	−22
2438270.5	+1.728081334	−0.000131742	−21
2438271.5	+1.727922959	−0.000184937	−21
2438272.5	+1.727711607	−0.000237690	−21
2438273.5	+1.727447728	−0.000289996	−21
2438274.5	+1.727131757	−0.000341876	−21
2438275.5	+1.726764107	−0.000393363	−20
2438276.5	+1.726345143	−0.000444515	−20
2438277.5	+1.725875166	−0.000495402	−20
2438278.5	+1.725354398	−0.000546114	−20
2438279.5	+1.724782968	−0.000596735	−20
2438280.5	+1.724160935	−0.000647333	−20
2438281.5	+1.723488290	−0.000697967	−20
2438282.5	+1.722764979	−0.000748667	−20
2438283.5	+1.721990935	−0.000799431	−20
2438284.5	+1.721166102	−0.000850241	−20
2438285.5	+1.720290449	−0.000901064	−20
2438286.5	+1.719363982	−0.000951863	−20
2438287.5	+1.718386750	−0.001002581	−20
2438288.5	+1.717358865	−0.001053164	−20
2438289.5	+1.716280483	−0.001103564	−20
2438290.5	+1.715151819	−0.001153717	−20
2438291.5	+1.713973146	−0.001203580	−20
2438292.5	+1.712744768	−0.001253117	−20
2438293.5	+1.711467036	−0.001302283	−20
2438294.5	+1.710140335	−0.001351049	−19
2438295.5	+1.708765080	−0.001399388	−19
2438296.5	+1.707341708	−0.001447280	−19
2438297.5	+1.705870678	−0.001494700	−19
2438298.5	+1.704352473	−0.001541626	−19
2438299.5	+1.702787596	−0.001588041	−18
2438300.5	+1.701176571	−0.001633915	−18
2438301.5	+1.699519950	−0.001679237	−18
2438302.5	+1.697818285	−0.001723997	−18
2438303.5	+1.696072142	−0.001768198	−18
2438304.5	+1.694282066	−0.001811869	−17
2438305.5	+1.692448562	−0.001855067	−17
2438306.5	+1.690572061	−0.001897877	−17
2438307.5	+1.688652904	−0.001940399	−17
2438308.5	+1.686691323	−0.001982741	−17
2438309.5	+1.684687451	−0.002024997	−17
2438310.5	+1.682641336	−0.002067231	−17
2438311.5	+1.680552984	−0.002109480	−17
2438312.5	+1.678422364	−0.002151764	−17
2438313.5	+1.676249448	−0.002194071	−17
2438314.5	+1.674034221	−0.002236381	−17
2438315.5	+1.671776695	−0.002278664	−17
2438316.5	+1.669476913	−0.002320889	−17
2438317.5	+1.667134949	−0.002363019	−17
2438318.5	+1.664750918	−0.002405019	−17
2438319.5	+1.662324966	−0.002446854	−17
2438320.5	+1.659857278	−0.002488483	−17
2438321.5	+1.657348079	−0.002529875	−16
2438322.5	+1.654797618	−0.002570998	−16
2438323.5	+1.652206184	−0.002611818	−16
2438324.5	+1.649574090	−0.002652313	−16
2438325.5	+1.646901677	−0.002692450	−16
2438326.5	+1.644189319	−0.002732201	−16
2438327.5	+1.641437412	−0.002771541	−16
2438328.5	+1.638646386	−0.002810435	−15
2438329.5	+1.635816701	−0.002848854	−15
2438330.5	+1.632948847	−0.002886767	−15
2438331.5	+1.630043345	−0.002924147	−15
2438332.5	+1.627100733	−0.002960988	−15
2438333.5	+1.624121544	−0.002997304	−14
2438334.5	+1.621106284	−0.003033142	−14
2438335.5	+1.618055392	−0.003068586	−14
2438336.5	+1.614969208	−0.003103744	−14
2438337.5	+1.611847958	−0.003138739	−14
2438338.5	+1.608691749	−0.003173675	−14
2438339.5	+1.605500602	−0.003208627	−14
2438340.5	+1.602274472	−0.003243648	−14
2438341.5	+1.599013275	−0.003278762	−14
2438342.5	+1.595716915	−0.003313973	−14
2438343.5	+1.592385300	−0.003349272	−14
2438344.5	+1.589018348	−0.003384641	−14
2438345.5	+1.585615999	−0.003420066	−14
2438346.5	+1.582178205	−0.003455523	−14
2438347.5	+1.578704950	−0.003490990	−14
2438348.5	+1.575196229	−0.003526447	−14
2438349.5	+1.571652068	−0.003561867	−14
2438350.5	+1.568072517	−0.003597223	−14
2438351.5	+1.564457654	−0.003632485	−14
2438352.5	+1.560807587	−0.003667628	−14
2438353.5	+1.557122450	−0.003702616	−14
2438354.5	+1.553402418	−0.003737416	−14
2438355.5	+1.549647691	−0.003772000	−14
2438356.5	+1.545858505	−0.003806325	−14
2438357.5	+1.542035141	−0.003840351	−14
2438358.5	+1.538177915	−0.003874041	−13
2438359.5	+1.534287187	−0.003907346	−13
2438360.5	+1.530363363	−0.003940230	−13
2438361.5	+1.526406875	−0.003972670	−13
2438362.5	+1.522418173	−0.004004662	−13
2438363.5	+1.518397688	−0.004036243	−13
2438364.5	+1.514345801	−0.004067483	−12
2438365.5	+1.510262802	−0.004098484	−12
2438366.5	+1.506148875	−0.004129360	−12
2438367.5	+1.502004086	−0.004160223	−12
2438368.5	+1.497828405	−0.004191157	−12
2438369.5	+1.493621727	−0.004222224	−12
2438370.5	+1.489383902	−0.004253455	−13

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438371.5	+1.485114755	-0.004284870	-13	2438431.5	+1.170645967	-0.006191502	-13
2438372.5	+1.480814100	-0.004316469	-13	2438432.5	+1.164438753	-0.006222956	-13
2438373.5	+1.476481756	-0.004348250	-13	2438433.5	+1.158199996	-0.006254588	-13
2438374.5	+1.472117541	-0.004380206	-13	2438434.5	+1.151929513	-0.006286411	-13
2438375.5	+1.467721288	-0.004412329	-13	2438435.5	+1.145627110	-0.006318427	-13
2438376.5	+1.463292832	-0.004444606	-13	2438436.5	+1.139292592	-0.006350644	-13
2438377.5	+1.458832028	-0.004477027	-13	2438437.5	+1.132925755	-0.006383063	-13
2438378.5	+1.454338733	-0.004509583	-13	2438438.5	+1.126526403	-0.006415670	-13
2438379.5	+1.449812826	-0.004542245	-13	2438439.5	+1.120094359	-0.006448444	-13
2438380.5	+1.445254214	-0.004574993	-13	2438440.5	+1.113629472	-0.006481346	-13
2438381.5	+1.440662820	-0.004607802	-13	2438441.5	+1.107131644	-0.006514318	-13
2438382.5	+1.436038603	-0.004640633	-13	2438442.5	+1.100600835	-0.006547293	-13
2438383.5	+1.431381558	-0.004673451	-13	2438443.5	+1.094037084	-0.006580190	-13
2438384.5	+1.426691720	-0.004706210	-13	2438444.5	+1.087440508	-0.006612927	-13
2438385.5	+1.421969172	-0.004738866	-13	2438445.5	+1.080811311	-0.006645419	-13
2438386.5	+1.417214039	-0.004771367	-13	2438446.5	+1.074149776	-0.006677592	-13
2438387.5	+1.412426508	-0.004803656	-13	2438447.5	+1.067456253	-0.006709387	-13
2438388.5	+1.407606813	-0.004835687	-13	2438448.5	+1.060731145	-0.006740752	-13
2438389.5	+1.402755238	-0.004867406	-13	2438449.5	+1.053974902	-0.006771659	-12
2438390.5	+1.397872117	-0.004898776	-12	2438450.5	+1.047187981	-0.006802107	-12
2438391.5	+1.392957805	-0.004929788	-12	2438451.5	+1.040370838	-0.006832106	-12
2438392.5	+1.388012653	-0.004960463	-12	2438452.5	+1.033523908	-0.006861690	-12
2438393.5	+1.383036975	-0.004990851	-12	2438453.5	+1.026647582	-0.006890903	-12
2438394.5	+1.378031020	-0.005021032	-12	2438454.5	+1.019742207	-0.006919800	-12
2438395.5	+1.372994945	-0.005051110	-12	2438455.5	+1.012808071	-0.006948430	-12
2438396.5	+1.367928803	-0.005081180	-12	2438456.5	+1.005845421	-0.006976838	-11
2438397.5	+1.362832559	-0.005111328	-12	2438457.5	+0.998854456	-0.007005062	-11
2438398.5	+1.357706098	-0.005141621	-12	2438458.5	+0.991835349	-0.007033129	-11
2438399.5	+1.352549255	-0.005172101	-12	2438459.5	+0.984788244	-0.007061059	-11
2438400.5	+1.347361827	-0.005202788	-12	2438460.5	+0.977713270	-0.007088872	-11
2438401.5	+1.342143603	-0.005233701	-13	2438461.5	+0.970610535	-0.007116580	-11
2438402.5	+1.336894345	-0.005264853	-13	2438462.5	+0.963480141	-0.007144194	-11
2438403.5	+1.331613818	-0.005296241	-13	2438463.5	+0.956322174	-0.007171729	-11
2438404.5	+1.326301784	-0.005327866	-13	2438464.5	+0.949136704	-0.007199203	-11
2438405.5	+1.320958006	-0.005359732	-13	2438465.5	+0.941923785	-0.007226626	-11
2438406.5	+1.315582240	-0.005391838	-13	2438466.5	+0.934683465	-0.007254008	-11
2438407.5	+1.310174254	-0.005424173	-13	2438467.5	+0.927415783	-0.007281348	-11
2438408.5	+1.304733819	-0.005456734	-13	2438468.5	+0.920120791	-0.007308623	-11
2438409.5	+1.299260717	-0.005489501	-13	2438469.5	+0.912798572	-0.007335794	-11
2438410.5	+1.293754758	-0.005522444	-13	2438470.5	+0.905449260	-0.007362795	-11
2438411.5	+1.288215782	-0.005555528	-13	2438471.5	+0.898073068	-0.007389537	-11
2438412.5	+1.282643668	-0.005588712	-13	2438472.5	+0.890670309	-0.007415911	-11
2438413.5	+1.277038344	-0.005621936	-13	2438473.5	+0.883241403	-0.007441814	-10
2438414.5	+1.271399803	-0.005655139	-13	2438474.5	+0.875786871	-0.007467146	-10
2438415.5	+1.265728093	-0.005688260	-13	2438475.5	+0.868307333	-0.007491813	-10
2438416.5	+1.260023334	-0.005721228	-13	2438476.5	+0.860803490	-0.007515745	-10
2438417.5	+1.254285709	-0.005753982	-13	2438477.5	+0.853276107	-0.007538885	-9
2438418.5	+1.248515459	-0.005786468	-13	2438478.5	+0.845725996	-0.007561197	-9
2438419.5	+1.242712877	-0.005818643	-13	2438479.5	+0.838153996	-0.007582662	-8
2438420.5	+1.236878286	-0.005850481	-13	2438480.5	+0.830560957	-0.007603275	-8
2438421.5	+1.231012024	-0.005881992	-13	2438481.5	+0.822947729	-0.007623041	-8
2438422.5	+1.225114399	-0.005913213	-13	2438482.5	+0.815315151	-0.007641978	-7
2438423.5	+1.219185678	-0.005944195	-12	2438483.5	+0.807664042	-0.007660109	-7
2438424.5	+1.213226063	-0.005975015	-12	2438484.5	+0.799995195	-0.007677456	-7
2438425.5	+1.207235676	-0.006005751	-12	2438485.5	+0.792309385	-0.007694040	-7
2438426.5	+1.201214565	-0.006036474	-12	2438486.5	+0.784607364	-0.007709879	-6
2438427.5	+1.195162711	-0.006067246	-12	2438487.5	+0.776889870	-0.007724990	-6
2438428.5	+1.189080043	-0.006098108	-12	2438488.5	+0.769157625	-0.007739379	-6
2438429.5	+1.182966455	-0.006129091	-13	2438489.5	+0.761411350	-0.007753053	-5
2438430.5	+1.176821813	-0.006160218	-13	2438490.5	+0.753651754	-0.007766021	-5

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438491.5	+0.745879544	−0.007778282	−5
2438492.5	+0.738095423	−0.007789846	−5
2438493.5	+0.730300080	−0.007800727	−4
2438494.5	+0.722494197	−0.007810925	−4
2438495.5	+0.714678454	−0.007820451	−4
2438496.5	+0.706853522	−0.007829297	−3
2438497.5	+0.699020098	−0.007837430	−3
2438498.5	+0.691178919	−0.007844791	−3
2438499.5	+0.683330805	−0.007851283	−2
2438500.5	+0.675476686	−0.007856775	−2
2438501.5	+0.667617637	−0.007861120	−1
2438502.5	+0.659754879	−0.007864165	−1
2438503.5	+0.651889789	−0.007865762	0
2438504.5	+0.644023879	−0.007865786	0
2438505.5	+0.636158779	−0.007864125	+1
2438506.5	+0.628296221	−0.007860690	+2
2438507.5	+0.620438016	−0.007855405	+3
2438508.5	+0.612586050	−0.007848203	+3
2438509.5	+0.604742267	−0.007839030	+4
2438510.5	+0.596908665	−0.007827831	+5
2438511.5	+0.589087296	−0.007814560	+6
2438512.5	+0.581280250	−0.007799173	+7
2438513.5	+0.573489671	−0.007781621	+8
2438514.5	+0.565717746	−0.007761854	+8
2438515.5	+0.557966718	−0.007739820	+9
2438516.5	+0.550238881	−0.007715462	+10
2438517.5	+0.542536592	−0.007688711	+11
2438518.5	+0.534862279	−0.007659502	+12
2438519.5	+0.527218432	−0.007627762	+13
2438520.5	+0.519607625	−0.007593411	+14
2438521.5	+0.512032505	−0.007556377	+16
2438522.5	+0.504495793	−0.007516578	+17
2438523.5	+0.497000300	−0.007473925	+18
2438524.5	+0.489548927	−0.007428319	+19
2438525.5	+0.482144687	−0.007379637	+20
2438526.5	+0.474790730	−0.007327722	+22
2438527.5	+0.467490390	−0.007272363	+23
2438528.5	+0.460247238	−0.007213300	+25
2438529.5	+0.453065127	−0.007150227	+26
2438530.5	+0.445948233	−0.007082807	+28
2438531.5	+0.438901074	−0.007010704	+30
2438532.5	+0.431928495	−0.006933590	+32
2438533.5	+0.425035670	−0.006851147	+34
2438534.5	+0.418228077	−0.006763078	+37
2438535.5	+0.411511484	−0.006669101	+39
2438536.5	+0.404891936	−0.006568941	+42
2438537.5	+0.398375753	−0.006462329	+44
2438538.5	+0.391969516	−0.006349002	+47
2438539.5	+0.385680077	−0.006228692	+50
2438540.5	+0.379514546	−0.006101142	+53
2438541.5	+0.373480290	−0.005966103	+56
2438542.5	+0.367584917	−0.005823334	+59
2438543.5	+0.361836278	−0.005672596	+63
2438544.5	+0.356242454	−0.005513672	+66
2438545.5	+0.350811729	−0.005346363	+69
2438546.5	+0.345552585	−0.005170485	+73
2438547.5	+0.340473664	−0.004985894	+76
2438548.5	+0.335583741	−0.004792474	+80
2438549.5	+0.330891686	−0.004590147	+84
2438550.5	+0.326406425	−0.004378887	+87

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438551.5	+0.322136882	−0.004158719	+91
2438552.5	+0.318091932	−0.003929718	+94
2438553.5	+0.314280353	−0.003691999	+98
2438554.5	+0.310710787	−0.003445722	+101
2438555.5	+0.307391697	−0.003191082	+105
2438556.5	+0.304331340	−0.002928294	+108
2438557.5	+0.301537735	−0.002657632	+111
2438558.5	+0.299018588	−0.002379437	+114
2438559.5	+0.296781232	−0.002094133	+117
2438560.5	+0.294832504	−0.001802286	+119
2438561.5	+0.293178614	−0.001504579	+121
2438562.5	+0.291825033	−0.001201813	+123
2438563.5	+0.290776370	−0.000894902	+125
2438564.5	+0.290036280	−0.000584840	+126
2438565.5	+0.289607388	−0.000272684	+126
2438566.5	+0.289491245	+0.000040472	+127
2438567.5	+0.289688292	+0.000353508	+126
2438568.5	+0.290197848	+0.000665307	+126
2438569.5	+0.291018126	+0.000974769	+124
2438570.5	+0.292146250	+0.001280825	+123
2438571.5	+0.293578300	+0.001582457	+121
2438572.5	+0.295309373	+0.001878720	+118
2438573.5	+0.297333657	+0.002168738	+116
2438574.5	+0.299644505	+0.002451727	+113
2438575.5	+0.302234538	+0.002727000	+110
2438576.5	+0.305095735	+0.002993967	+106
2438577.5	+0.308219540	+0.003252143	+102
2438578.5	+0.311596963	+0.003501148	+99
2438579.5	+0.315218687	+0.003740708	+95
2438580.5	+0.319075171	+0.003970649	+91
2438581.5	+0.323156753	+0.004190897	+87
2438582.5	+0.327453745	+0.004401487	+83
2438583.5	+0.331956553	+0.004602556	+79
2438584.5	+0.336655756	+0.004794323	+76
2438585.5	+0.341542194	+0.004977076	+72
2438586.5	+0.346607010	+0.005151137	+69
2438587.5	+0.351841683	+0.005316843	+65
2438588.5	+0.357238015	+0.005474506	+62
2438589.5	+0.362788111	+0.005624416	+59
2438590.5	+0.368484353	+0.005766845	+56
2438591.5	+0.374319388	+0.005902036	+53
2438592.5	+0.380286090	+0.006030223	+50
2438593.5	+0.386377581	+0.006151653	+48
2438594.5	+0.392587224	+0.006266567	+45
2438595.5	+0.398908621	+0.006375200	+43
2438596.5	+0.405335609	+0.006477788	+40
2438597.5	+0.411862262	+0.006574570	+38
2438598.5	+0.418482889	+0.006665771	+36
2438599.5	+0.425192013	+0.006751599	+34
2438600.5	+0.431984371	+0.006832278	+32
2438601.5	+0.438854916	+0.006907997	+30
2438602.5	+0.445798771	+0.006978935	+28
2438603.5	+0.452811257	+0.007045287	+26
2438604.5	+0.459887876	+0.007107232	+24
2438605.5	+0.467024308	+0.007164939	+22
2438606.5	+0.474216402	+0.007218590	+21
2438607.5	+0.481460196	+0.007268365	+19
2438608.5	+0.488751902	+0.007314449	+18
2438609.5	+0.496087930	+0.007357040	+17
2438610.5	+0.503464888	+0.007396349	+15

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438611.5	+0.510879609	+0.007432600	+14
2438612.5	+0.518329145	+0.007466023	+13
2438613.5	+0.525810795	+0.007496868	+12
2438614.5	+0.533322101	+0.007525374	+11
2438615.5	+0.540860834	+0.007551753	+10
2438616.5	+0.548424959	+0.007576188	+10
2438617.5	+0.556012610	+0.007598822	+9
2438618.5	+0.563622037	+0.007619758	+8
2438619.5	+0.571251584	+0.007639068	+7
2438620.5	+0.578899652	+0.007656814	+7
2438621.5	+0.586564702	+0.007673031	+6
2438622.5	+0.594245217	+0.007687757	+6
2438623.5	+0.601939731	+0.007701030	+5
2438624.5	+0.609646802	+0.007712879	+5
2438625.5	+0.617365026	+0.007723341	+4
2438626.5	+0.625093030	+0.007732440	+3
2438627.5	+0.632829459	+0.007740198	+3
2438628.5	+0.640572983	+0.007746628	+2
2438629.5	+0.648322276	+0.007751740	+2
2438630.5	+0.656076024	+0.007755536	+1
2438631.5	+0.663832906	+0.007758007	+1
2438632.5	+0.671591595	+0.007759150	0
2438633.5	+0.679350765	+0.007758970	0
2438634.5	+0.687109094	+0.007757468	−1
2438635.5	+0.694865268	+0.007754667	−1
2438636.5	+0.702618006	+0.007750601	−2
2438637.5	+0.710366066	+0.007745324	−2
2438638.5	+0.718108273	+0.007738904	−3
2438639.5	+0.725843523	+0.007731429	−3
2438640.5	+0.733570815	+0.007723005	−4
2438641.5	+0.741289252	+0.007713739	−4
2438642.5	+0.748998054	+0.007703757	−4
2438643.5	+0.756696563	+0.007693167	−4
2438644.5	+0.764384218	+0.007682066	−5
2438645.5	+0.772060552	+0.007670536	−5
2438646.5	+0.779725164	+0.007658628	−5
2438647.5	+0.787377690	+0.007646367	−5
2438648.5	+0.795017784	+0.007633763	−5
2438649.5	+0.802645102	+0.007620817	−5
2438650.5	+0.810259301	+0.007607520	−5
2438651.5	+0.817860019	+0.007593855	−6
2438652.5	+0.825446887	+0.007579818	−6
2438653.5	+0.833019525	+0.007565392	−6
2438654.5	+0.840577537	+0.007550565	−6
2438655.5	+0.848120517	+0.007535325	−6
2438656.5	+0.855648041	+0.007519647	−6
2438657.5	+0.863159657	+0.007503506	−7
2438658.5	+0.870654887	+0.007486866	−7
2438659.5	+0.878133207	+0.007469679	−7
2438660.5	+0.885594045	+0.007451893	−7
2438661.5	+0.893036775	+0.007433452	−8
2438662.5	+0.900460716	+0.007414313	−8
2438663.5	+0.907865155	+0.007394438	−8
2438664.5	+0.915249342	+0.007373812	−8
2438665.5	+0.922612533	+0.007352447	−9
2438666.5	+0.929953998	+0.007330369	−9
2438667.5	+0.937273050	+0.007307630	−9
2438668.5	+0.944569061	+0.007284299	−10
2438669.5	+0.951841477	+0.007260453	−10
2438670.5	+0.959089823	+0.007236173	−10
2438671.5	+0.966313707	+0.007211543	−10
2438672.5	+0.973512819	+0.007186643	−10
2438673.5	+0.980686926	+0.007161542	−10
2438674.5	+0.987835853	+0.007136292	−10
2438675.5	+0.994959475	+0.007110935	−10
2438676.5	+1.002057695	+0.007085492	−10
2438677.5	+1.009130434	+0.007059976	−10
2438678.5	+1.016177621	+0.007034384	−10
2438679.5	+1.023199175	+0.007008713	−10
2438680.5	+1.030195019	+0.006982959	−10
2438681.5	+1.037165061	+0.006957107	−10
2438682.5	+1.044109198	+0.006931149	−11
2438683.5	+1.051027321	+0.006905076	−11
2438684.5	+1.057919306	+0.006878871	−11
2438685.5	+1.064785013	+0.006852515	−11
2438686.5	+1.071624274	+0.006825973	−11
2438687.5	+1.078436884	+0.006799205	−11
2438688.5	+1.085222588	+0.006772150	−11
2438689.5	+1.091981064	+0.006744734	−11
2438690.5	+1.098711912	+0.006716885	−11
2438691.5	+1.105414664	+0.006688527	−12
2438692.5	+1.112088777	+0.006659603	−12
2438693.5	+1.118733672	+0.006630085	−12
2438694.5	+1.125348750	+0.006599976	−12
2438695.5	+1.131933434	+0.006569299	−13
2438696.5	+1.138487175	+0.006538105	−13
2438697.5	+1.145009494	+0.006506462	−13
2438698.5	+1.151499969	+0.006474431	−13
2438699.5	+1.157958250	+0.006442084	−13
2438700.5	+1.164384055	+0.006409492	−13
2438701.5	+1.170777173	+0.006376719	−13
2438702.5	+1.177137450	+0.006343818	−13
2438703.5	+1.183464784	+0.006310841	−13
2438704.5	+1.189759119	+0.006277824	−13
2438705.5	+1.196020430	+0.006244801	−13
2438706.5	+1.202248725	+0.006211792	−13
2438707.5	+1.208444022	+0.006178808	−13
2438708.5	+1.214606354	+0.006145863	−13
2438709.5	+1.220735762	+0.006112959	−13
2438710.5	+1.226832287	+0.006080101	−13
2438711.5	+1.232895981	+0.006047294	−13
2438712.5	+1.238926891	+0.006014533	−13
2438713.5	+1.244925062	+0.005981817	−13
2438714.5	+1.250890537	+0.005949137	−13
2438715.5	+1.256823340	+0.005916470	−13
2438716.5	+1.262723468	+0.005883778	−13
2438717.5	+1.268590866	+0.005850997	−13
2438718.5	+1.274425408	+0.005818053	−13
2438719.5	+1.280226885	+0.005784848	−13
2438720.5	+1.285994986	+0.005751290	−14
2438721.5	+1.291729322	+0.005717304	−14
2438722.5	+1.297429438	+0.005682849	−14
2438723.5	+1.303094860	+0.005647913	−14
2438724.5	+1.308725112	+0.005612521	−14
2438725.5	+1.314319766	+0.005576722	−15
2438726.5	+1.319878437	+0.005540567	−15
2438727.5	+1.325400805	+0.005504126	−15
2438728.5	+1.330886614	+0.005467458	−15
2438729.5	+1.336335664	+0.005430616	−15
2438730.5	+1.341747808	+0.005393658	−15

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438731.5	+1.347122959	+0.005356635	−15	2438791.5	+1.602783017	+0.003157870	−16
2438732.5	+1.352461070	+0.005319587	−15	2438792.5	+1.605921798	+0.003119688	−16
2438733.5	+1.357762139	+0.005282555	−15	2438793.5	+1.609022389	+0.003081493	−16
2438734.5	+1.363026198	+0.005245576	−15	2438794.5	+1.612084792	+0.003043321	−16
2438735.5	+1.368253318	+0.005208679	−15	2438795.5	+1.615109051	+0.003005211	−16
2438736.5	+1.373443592	+0.005171888	−15	2438796.5	+1.618095244	+0.002967192	−16
2438737.5	+1.378597139	+0.005135230	−15	2438797.5	+1.621043479	+0.002929305	−15
2438738.5	+1.383714101	+0.005098718	−15	2438798.5	+1.623953907	+0.002891578	−15
2438739.5	+1.388794628	+0.005062366	−15	2438799.5	+1.626826699	+0.002854041	−15
2438740.5	+1.393838894	+0.005026196	−15	2438800.5	+1.629662061	+0.002816718	−15
2438741.5	+1.398847083	+0.004990215	−14	2438801.5	+1.632460211	+0.002779622	−15
2438742.5	+1.403819390	+0.004954434	−14	2438802.5	+1.635221382	+0.002742755	−15
2438743.5	+1.408756018	+0.004918854	−14	2438803.5	+1.637945792	+0.002706099	−15
2438744.5	+1.413657161	+0.004883463	−14	2438804.5	+1.640633636	+0.002669611	−15
2438745.5	+1.418522998	+0.004848234	−14	2438805.5	+1.643285044	+0.002633214	−15
2438746.5	+1.423353664	+0.004813110	−14	2438806.5	+1.645900064	+0.002596818	−15
2438747.5	+1.428149225	+0.004778008	−14	2438807.5	+1.648478644	+0.002560312	−15
2438748.5	+1.432909654	+0.004742828	−14	2438808.5	+1.651020617	+0.002523591	−15
2438749.5	+1.437634817	+0.004707457	−14	2438809.5	+1.653525726	+0.002486570	−15
2438750.5	+1.442324475	+0.004671806	−14	2438810.5	+1.655993635	+0.002449184	−15
2438751.5	+1.446978315	+0.004635812	−15	2438811.5	+1.658423963	+0.002411407	−16
2438752.5	+1.451595977	+0.004599451	−15	2438812.5	+1.660816315	+0.002373230	−16
2438753.5	+1.456177098	+0.004562733	−15	2438813.5	+1.663170292	+0.002334659	−16
2438754.5	+1.460721336	+0.004525694	−15	2438814.5	+1.665485506	+0.002295708	−16
2438755.5	+1.465228393	+0.004488378	−15	2438815.5	+1.667761588	+0.002256397	−16
2438756.5	+1.469698017	+0.004450838	−15	2438816.5	+1.669998186	+0.002216742	−16
2438757.5	+1.474130010	+0.004413122	−15	2438817.5	+1.672194964	+0.002176762	−16
2438758.5	+1.478524219	+0.004375279	−15	2438818.5	+1.674351606	+0.002136470	−17
2438759.5	+1.482880539	+0.004337349	−15	2438819.5	+1.676467806	+0.002095886	−17
2438760.5	+1.487198902	+0.004299373	−15	2438820.5	+1.678543287	+0.002055030	−17
2438761.5	+1.491479282	+0.004261388	−16	2438821.5	+1.680577784	+0.002013928	−17
2438762.5	+1.495721688	+0.004223432	−15	2438822.5	+1.682571070	+0.001972608	−17
2438763.5	+1.499926167	+0.004185537	−15	2438823.5	+1.684522941	+0.001931111	−17
2438764.5	+1.504092795	+0.004147739	−15	2438824.5	+1.686433247	+0.001889480	−17
2438765.5	+1.508221688	+0.004110069	−15	2438825.5	+1.688301872	+0.001847760	−17
2438766.5	+1.512312985	+0.004072556	−15	2438826.5	+1.690128754	+0.001806000	−17
2438767.5	+1.516366861	+0.004035227	−15	2438827.5	+1.691913874	+0.001764245	−17
2438768.5	+1.520383509	+0.003998107	−15	2438828.5	+1.693657260	+0.001722539	−17
2438769.5	+1.524363153	+0.003961221	−15	2438829.5	+1.695358978	+0.001680911	−17
2438770.5	+1.528306036	+0.003924589	−15	2438830.5	+1.697019115	+0.001639383	−17
2438771.5	+1.532212421	+0.003888228	−15	2438831.5	+1.698637780	+0.001597962	−17
2438772.5	+1.536082585	+0.003852147	−15	2438832.5	+1.700215068	+0.001556628	−17
2438773.5	+1.539916808	+0.003816345	−15	2438833.5	+1.701751054	+0.001515349	−17
2438774.5	+1.543715361	+0.003780799	−14	2438834.5	+1.703245763	+0.001474061	−17
2438775.5	+1.547478475	+0.003745457	−14	2438835.5	+1.704699146	+0.001432683	−17
2438776.5	+1.551206318	+0.003710241	−14	2438836.5	+1.706111070	+0.001391128	−17
2438777.5	+1.554898966	+0.003675050	−14	2438837.5	+1.707481310	+0.001349299	−17
2438778.5	+1.558556388	+0.003639769	−14	2438838.5	+1.708809549	+0.001307115	−17
2438779.5	+1.562178437	+0.003604289	−15	2438839.5	+1.710095402	+0.001264518	−17
2438780.5	+1.565764873	+0.003568532	−15	2438840.5	+1.711338431	+0.001221461	−18
2438781.5	+1.569315394	+0.003532454	−15	2438841.5	+1.712538163	+0.001177922	−18
2438782.5	+1.572829672	+0.003496049	−15	2438842.5	+1.713694112	+0.001133893	−18
2438783.5	+1.576307385	+0.003459325	−15	2438843.5	+1.714805784	+0.001089370	−18
2438784.5	+1.579748225	+0.003422309	−15	2438844.5	+1.715872689	+0.001044359	−18
2438785.5	+1.583151920	+0.003385044	−15	2438845.5	+1.716894341	+0.000998866	−19
2438786.5	+1.586518239	+0.003347557	−15	2438846.5	+1.717870262	+0.000952896	−19
2438787.5	+1.589846971	+0.003309879	−15	2438847.5	+1.718799975	+0.000906453	−19
2438788.5	+1.593137945	+0.003272045	−15	2438848.5	+1.719683015	+0.000859551	−19
2438789.5	+1.596391017	+0.003234080	−16	2438849.5	+1.720518928	+0.000812201	−19
2438790.5	+1.599606071	+0.003196012	−16	2438850.5	+1.721307275	+0.000764424	−20

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438851.5	+1.722047643	+0.000716247	-20
2438852.5	+1.722739650	+0.000667714	-20
2438853.5	+1.723382971	+0.000618881	-20
2438854.5	+1.723977333	+0.000569809	-20
2438855.5	+1.724522532	+0.000520565	-20
2438856.5	+1.725018429	+0.000471218	-20
2438857.5	+1.725464954	+0.000421830	-20
2438858.5	+1.725862089	+0.000372442	-20
2438859.5	+1.726209850	+0.000323089	-20
2438860.5	+1.726508283	+0.000273782	-20
2438861.5	+1.726757427	+0.000224512	-20
2438862.5	+1.726957309	+0.000175248	-20
2438863.5	+1.727107910	+0.000125944	-20
2438864.5	+1.727209165	+0.000076543	-20
2438865.5	+1.727260941	+0.000026975	-20
2438866.5	+1.727263035	-0.000022833	-20
2438867.5	+1.727215175	-0.000072942	-21
2438868.5	+1.727117032	-0.000123408	-21
2438869.5	+1.726968225	-0.000174274	-21
2438870.5	+1.726768341	-0.000225568	-21
2438871.5	+1.726516940	-0.000277307	-21
2438872.5	+1.726213576	-0.000329499	-21
2438873.5	+1.725857788	-0.000382155	-22
2438874.5	+1.725449111	-0.000435275	-22
2438875.5	+1.724987083	-0.000488859	-22
2438876.5	+1.724471237	-0.000542912	-22
2438877.5	+1.723901104	-0.000597432	-22
2438878.5	+1.723276220	-0.000652412	-23
2438879.5	+1.722596131	-0.000707839	-23
2438880.5	+1.721860402	-0.000763686	-23
2438881.5	+1.721068633	-0.000819910	-23
2438882.5	+1.720220479	-0.000876444	-23
2438883.5	+1.719315669	-0.000933208	-23
2438884.5	+1.718354016	-0.000990114	-23
2438885.5	+1.717335426	-0.001047066	-23
2438886.5	+1.716259895	-0.001103985	-23
2438887.5	+1.715127488	-0.001160807	-23
2438888.5	+1.713938329	-0.001217486	-23
2438889.5	+1.712692568	-0.001274008	-23
2438890.5	+1.711390365	-0.001330373	-23
2438891.5	+1.710031870	-0.001386596	-23
2438892.5	+1.708617210	-0.001442710	-23
2438893.5	+1.707146474	-0.001498754	-23
2438894.5	+1.705619709	-0.001554777	-23
2438895.5	+1.704036912	-0.001610823	-23
2438896.5	+1.702398039	-0.001666940	-23
2438897.5	+1.700702994	-0.001723170	-23
2438898.5	+1.698951650	-0.001779546	-23
2438899.5	+1.697143844	-0.001836096	-23
2438900.5	+1.695279392	-0.001892842	-23
2438901.5	+1.693358090	-0.001949797	-23
2438902.5	+1.691379724	-0.002006974	-23
2438903.5	+1.689344065	-0.002064383	-24
2438904.5	+1.687250878	-0.002122034	-24
2438905.5	+1.685099913	-0.002179938	-24
2438906.5	+1.682890914	-0.002238106	-24
2438907.5	+1.680623611	-0.002296544	-24
2438908.5	+1.678297737	-0.002355247	-24
2438909.5	+1.675913033	-0.002414200	-24
2438910.5	+1.673469266	-0.002473365	-24
2438911.5	+1.670966256	-0.002532670	-24
2438912.5	+1.668403908	-0.002592027	-24
2438913.5	+1.665782220	-0.002651328	-24
2438914.5	+1.663101309	-0.002710459	-24
2438915.5	+1.660361392	-0.002769323	-24
2438916.5	+1.657562779	-0.002827841	-24
2438917.5	+1.654705843	-0.002885963	-24
2438918.5	+1.651790993	-0.002943668	-23
2438919.5	+1.648818650	-0.003000945	-23
2438920.5	+1.645789241	-0.003057808	-23
2438921.5	+1.642703165	-0.003114277	-23
2438922.5	+1.639560812	-0.003170370	-23
2438923.5	+1.636362540	-0.003226120	-23
2438924.5	+1.633108675	-0.003281560	-23
2438925.5	+1.629799511	-0.003336725	-22
2438926.5	+1.626435307	-0.003391643	-22
2438927.5	+1.623016297	-0.003446343	-22
2438928.5	+1.619542684	-0.003500853	-22
2438929.5	+1.616014646	-0.003555197	-22
2438930.5	+1.612432337	-0.003609399	-22
2438931.5	+1.608795890	-0.003663477	-22
2438932.5	+1.605105419	-0.003717449	-22
2438933.5	+1.601361020	-0.003771339	-22
2438934.5	+1.597562759	-0.003825175	-22
2438935.5	+1.593710680	-0.003878981	-22
2438936.5	+1.589804800	-0.003932778	-22
2438937.5	+1.585845121	-0.003986584	-22
2438938.5	+1.581831628	-0.004040403	-22
2438939.5	+1.577764320	-0.004094208	-22
2438940.5	+1.573643235	-0.004147946	-22
2438941.5	+1.569468482	-0.004201522	-22
2438942.5	+1.565240283	-0.004254823	-22
2438943.5	+1.560958964	-0.004307739	-22
2438944.5	+1.556624971	-0.004360155	-21
2438945.5	+1.552238847	-0.004411993	-21
2438946.5	+1.547801195	-0.004463202	-21
2438947.5	+1.543312662	-0.004513753	-21
2438948.5	+1.538773910	-0.004563640	-20
2438949.5	+1.534185602	-0.004612866	-20
2438950.5	+1.529548393	-0.004661448	-20
2438951.5	+1.524862916	-0.004709401	-19
2438952.5	+1.520129793	-0.004756746	-19
2438953.5	+1.515349618	-0.004803507	-19
2438954.5	+1.510522965	-0.004849710	-19
2438955.5	+1.505650375	-0.004895383	-19
2438956.5	+1.500732367	-0.004940553	-18
2438957.5	+1.495769427	-0.004985251	-18
2438958.5	+1.490762012	-0.005029506	-18
2438959.5	+1.485710551	-0.005073351	-18
2438960.5	+1.480615436	-0.005116819	-18
2438961.5	+1.475477028	-0.005159944	-18
2438962.5	+1.470295651	-0.005202762	-17
2438963.5	+1.465071592	-0.005245315	-17
2438964.5	+1.459805092	-0.005287653	-17
2438965.5	+1.454496344	-0.005329815	-17
2438966.5	+1.449145507	-0.005371841	-17
2438967.5	+1.443752699	-0.005413756	-17
2438968.5	+1.438318033	-0.005455556	-17
2438969.5	+1.432841639	-0.005497201	-17
2438970.5	+1.427323707	-0.005538618	-17

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2438971.5	+1.421764513	−0.005579704	−17
2438972.5	+1.416164447	−0.005620344	−16
2438973.5	+1.410524006	−0.005660441	−16
2438974.5	+1.404843775	−0.005699910	−16
2438975.5	+1.399124412	−0.005738703	−16
2438976.5	+1.393366605	−0.005776790	−15
2438977.5	+1.387571070	−0.005814163	−15
2438978.5	+1.381738517	−0.005850823	−15
2438979.5	+1.375869659	−0.005886778	−15
2438980.5	+1.369965192	−0.005922042	−14
2438981.5	+1.364025801	−0.005956630	−14
2438982.5	+1.358052151	−0.005990561	−14
2438983.5	+1.352044892	−0.006023852	−13
2438984.5	+1.346004651	−0.006056531	−13
2438985.5	+1.339932025	−0.006088624	−13
2438986.5	+1.333827588	−0.006120160	−13
2438987.5	+1.327691878	−0.006151177	−13
2438988.5	+1.321525393	−0.006181715	−12
2438989.5	+1.315328593	−0.006211816	−12
2438990.5	+1.309101891	−0.006241528	−12
2438991.5	+1.302845650	−0.006270903	−12
2438992.5	+1.296560178	−0.006300000	−12
2438993.5	+1.290245723	−0.006328879	−12
2438994.5	+1.283902473	−0.006357600	−12
2438995.5	+1.277530557	−0.006386220	−12
2438996.5	+1.271130054	−0.006414778	−12
2438997.5	+1.264701018	−0.006443286	−12
2438998.5	+1.258243506	−0.006471723	−12
2438999.5	+1.251757614	−0.006500033	−12
2439000.5	+1.245243513	−0.006528124	−11
2439001.5	+1.238701470	−0.006555903	−11
2439002.5	+1.232131843	−0.006583274	−11
2439003.5	+1.225535082	−0.006610164	−11
2439004.5	+1.218911694	−0.006636519	−11
2439005.5	+1.212262234	−0.006662303	−10
2439006.5	+1.205587282	−0.006687504	−10
2439007.5	+1.198887424	−0.006712112	−10
2439008.5	+1.192163255	−0.006736128	−10
2439009.5	+1.185415364	−0.006759557	−9
2439010.5	+1.178644335	−0.006782404	−9
2439011.5	+1.171850749	−0.006804672	−9
2439012.5	+1.165035179	−0.006826375	−9
2439013.5	+1.158198183	−0.006847526	−9
2439014.5	+1.151340305	−0.006868144	−8
2439015.5	+1.144462064	−0.006888256	−8
2439016.5	+1.137563952	−0.006907892	−8
2439017.5	+1.130646424	−0.006927097	−8
2439018.5	+1.123709885	−0.006945921	−8
2439019.5	+1.116754691	−0.006964417	−7
2439020.5	+1.109781139	−0.006982647	−7
2439021.5	+1.102789461	−0.007000683	−7
2439022.5	+1.095779815	−0.007018591	−7
2439023.5	+1.088752300	−0.007036435	−7
2439024.5	+1.081706945	−0.007054279	−7
2439025.5	+1.074643728	−0.007072164	−7
2439026.5	+1.067562596	−0.007090111	−7
2439027.5	+1.060463490	−0.007108105	−7
2439028.5	+1.053346386	−0.007126100	−7
2439029.5	+1.046211313	−0.007144027	−7
2439030.5	+1.039058384	−0.007161799	−7
2439031.5	+1.031887793	−0.007179337	−7
2439032.5	+1.024699814	−0.007196563	−7
2439033.5	+1.017494790	−0.007213420	−7
2439034.5	+1.010273111	−0.007229866	−7
2439035.5	+1.003035204	−0.007245875	−6
2439036.5	+0.995781514	−0.007261425	−6
2439037.5	+0.988512514	−0.007276496	−6
2439038.5	+0.981228684	−0.007291082	−6
2439039.5	+0.973930518	−0.007305165	−6
2439040.5	+0.966618524	−0.007318739	−5
2439041.5	+0.959293213	−0.007331793	−5
2439042.5	+0.951955115	−0.007344316	−5
2439043.5	+0.944604756	−0.007356315	−5
2439044.5	+0.937242657	−0.007367799	−5
2439045.5	+0.929869323	−0.007378790	−4
2439046.5	+0.922485228	−0.007389327	−4
2439047.5	+0.915090805	−0.007399456	−4
2439048.5	+0.907686432	−0.007409237	−4
2439049.5	+0.900272425	−0.007418737	−4
2439050.5	+0.892849028	−0.007428029	−4
2439051.5	+0.885416414	−0.007437179	−4
2439052.5	+0.877974696	−0.007446248	−4
2439053.5	+0.870523926	−0.007455291	−4
2439054.5	+0.863064113	−0.007464337	−4
2439055.5	+0.855595246	−0.007473402	−4
2439056.5	+0.848117310	−0.007482465	−4
2439057.5	+0.840630331	−0.007491484	−4
2439058.5	+0.833134376	−0.007500401	−4
2439059.5	+0.825629590	−0.007509135	−4
2439060.5	+0.818116191	−0.007517615	−3
2439061.5	+0.810594472	−0.007525758	−3
2439062.5	+0.803064809	−0.007533499	−3
2439063.5	+0.795527626	−0.007540785	−3
2439064.5	+0.787983408	−0.007547564	−3
2439065.5	+0.780432680	−0.007553797	−2
2439066.5	+0.772876009	−0.007559444	−2
2439067.5	+0.765314000	−0.007564468	−2
2439068.5	+0.757747293	−0.007568831	−2
2439069.5	+0.750176573	−0.007572489	−1
2439070.5	+0.742602562	−0.007575406	−1
2439071.5	+0.735026021	−0.007577544	−1
2439072.5	+0.727447746	−0.007578866	0
2439073.5	+0.719868566	−0.007579357	0
2439074.5	+0.712289310	−0.007579017	0
2439075.5	+0.704710806	−0.007577857	+1
2439076.5	+0.697133855	−0.007575920	+1
2439077.5	+0.689559208	−0.007573257	+1
2439078.5	+0.681987562	−0.007569929	+1
2439079.5	+0.674419551	−0.007565996	+2
2439080.5	+0.666855754	−0.007561509	+2
2439081.5	+0.659296705	−0.007556507	+2
2439082.5	+0.651742905	−0.007551012	+2
2439083.5	+0.644194847	−0.007545020	+3
2439084.5	+0.636653038	−0.007538509	+3
2439085.5	+0.629118015	−0.007531438	+3
2439086.5	+0.621590371	−0.007523739	+3
2439087.5	+0.614070773	−0.007515330	+4
2439088.5	+0.606559979	−0.007506117	+4
2439089.5	+0.599058841	−0.007495997	+4
2439090.5	+0.591568321	−0.007484867	+5

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439091.5	+0.584089478	-0.007472625	+5
2439092.5	+0.576623477	-0.007459167	+6
2439093.5	+0.569171583	-0.007444394	+6
2439094.5	+0.561735159	-0.007428210	+7
2439095.5	+0.554315665	-0.007410518	+8
2439096.5	+0.546914660	-0.007391213	+8
2439097.5	+0.539533815	-0.007370180	+9
2439098.5	+0.532174912	-0.007347311	+10
2439099.5	+0.524839846	-0.007322483	+11
2439100.5	+0.517530642	-0.007295567	+11
2439101.5	+0.510249448	-0.007266445	+12
2439102.5	+0.502998523	-0.007235009	+13
2439103.5	+0.495780231	-0.007201168	+14
2439104.5	+0.488597009	-0.007164860	+15
2439105.5	+0.481451348	-0.007126040	+16
2439106.5	+0.474345772	-0.007084691	+17
2439107.5	+0.467282817	-0.007040789	+18
2439108.5	+0.460265057	-0.006994295	+20
2439109.5	+0.453295108	-0.006945155	+21
2439110.5	+0.446375657	-0.006893282	+22
2439111.5	+0.439509494	-0.006838556	+23
2439112.5	+0.432699544	-0.006780831	+24
2439113.5	+0.425948889	-0.006719933	+26
2439114.5	+0.419260803	-0.006655659	+27
2439115.5	+0.412638771	-0.006587784	+29
2439116.5	+0.406086517	-0.006516063	+30
2439117.5	+0.399608014	-0.006440234	+32
2439118.5	+0.393207510	-0.006360020	+34
2439119.5	+0.386889533	-0.006275129	+36
2439120.5	+0.380658910	-0.006185263	+38
2439121.5	+0.374520767	-0.006090115	+40
2439122.5	+0.368480544	-0.005989373	+42
2439123.5	+0.362543991	-0.005882721	+45
2439124.5	+0.356717182	-0.005769830	+47
2439125.5	+0.351006520	-0.005650373	+50
2439126.5	+0.345418735	-0.005524019	+54
2439127.5	+0.339960892	-0.005390434	+57
2439128.5	+0.334640388	-0.005249287	+60
2439129.5	+0.329464944	-0.005100264	+63
2439130.5	+0.324442579	-0.004943084	+67
2439131.5	+0.319581576	-0.004777504	+70
2439132.5	+0.314890429	-0.004603350	+74
2439133.5	+0.310377767	-0.004420525	+77
2439134.5	+0.306052280	-0.004229000	+81
2439135.5	+0.301922654	-0.004028815	+84
2439136.5	+0.297997510	-0.003820051	+88
2439137.5	+0.294285374	-0.003602823	+91
2439138.5	+0.290794637	-0.003377279	+95
2439139.5	+0.287533530	-0.003143593	+98
2439140.5	+0.284510088	-0.002901997	+101
2439141.5	+0.281732080	-0.002652770	+104
2439142.5	+0.279206980	-0.002396250	+107
2439143.5	+0.276941870	-0.002132865	+110
2439144.5	+0.274943373	-0.001863114	+113
2439145.5	+0.273217572	-0.001587576	+115
2439146.5	+0.271769933	-0.001306903	+117
2439147.5	+0.270605236	-0.001021820	+119
2439148.5	+0.269727498	-0.000733123	+120
2439149.5	+0.269139915	-0.000441653	+121
2439150.5	+0.268844815	-0.000148317	+121
2439151.5	+0.268843597	+0.000145967	+122
2439152.5	+0.269136754	+0.000440269	+121
2439153.5	+0.269723822	+0.000733632	+121
2439154.5	+0.270603396	+0.001025130	+120
2439155.5	+0.271773159	+0.001313862	+119
2439156.5	+0.273229909	+0.001598963	+117
2439157.5	+0.274969604	+0.001879621	+115
2439158.5	+0.276987413	+0.002155066	+113
2439159.5	+0.279277756	+0.002424575	+110
2439160.5	+0.281834355	+0.002687463	+107
2439161.5	+0.284650267	+0.002943107	+104
2439162.5	+0.287717967	+0.003190947	+101
2439163.5	+0.291029395	+0.003430492	+97
2439164.5	+0.294576061	+0.003661371	+94
2439165.5	+0.298349169	+0.003883349	+90
2439166.5	+0.302339748	+0.004096298	+86
2439167.5	+0.306538754	+0.004300216	+82
2439168.5	+0.310937197	+0.004495188	+79
2439169.5	+0.315526197	+0.004681364	+75
2439170.5	+0.320297061	+0.004858950	+72
2439171.5	+0.325241312	+0.005028182	+68
2439172.5	+0.330350729	+0.005189328	+65
2439173.5	+0.335617368	+0.005342677	+62
2439174.5	+0.341033583	+0.005488529	+59
2439175.5	+0.346592030	+0.005627194	+56
2439176.5	+0.352285683	+0.005758994	+53
2439177.5	+0.358107834	+0.005884242	+50
2439178.5	+0.364052090	+0.006003258	+48
2439179.5	+0.370112375	+0.006116349	+46
2439180.5	+0.376282914	+0.006223818	+43
2439181.5	+0.382558234	+0.006325955	+41
2439182.5	+0.388933138	+0.006423031	+39
2439183.5	+0.395402699	+0.006515314	+37
2439184.5	+0.401962251	+0.006603053	+35
2439185.5	+0.408607365	+0.006686472	+34
2439186.5	+0.415333823	+0.006765774	+32
2439187.5	+0.422137598	+0.006841130	+30
2439188.5	+0.429014812	+0.006912672	+29
2439189.5	+0.435961703	+0.006980498	+27
2439190.5	+0.442974592	+0.007044678	+26
2439191.5	+0.450049861	+0.007105264	+24
2439192.5	+0.457183942	+0.007162315	+23
2439193.5	+0.464373344	+0.007215924	+21
2439194.5	+0.471614684	+0.007266215	+20
2439195.5	+0.478904720	+0.007313345	+19
2439196.5	+0.486240379	+0.007357491	+18
2439197.5	+0.493618768	+0.007398835	+17
2439198.5	+0.501037175	+0.007437558	+15
2439199.5	+0.508493066	+0.007473829	+15
2439200.5	+0.515984069	+0.007507810	+14
2439201.5	+0.523507971	+0.007539647	+13
2439202.5	+0.531062693	+0.007569474	+12
2439203.5	+0.538646293	+0.007597423	+11
2439204.5	+0.546256955	+0.007623619	+10
2439205.5	+0.553892985	+0.007648178	+10
2439206.5	+0.561552803	+0.007671214	+9
2439207.5	+0.569234941	+0.007692835	+9
2439208.5	+0.576938035	+0.007713143	+8
2439209.5	+0.584660820	+0.007732231	+8
2439210.5	+0.592402119	+0.007750185	+7

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439211.5	+0.600160837	+0.007767080	+7
2439212.5	+0.607935947	+0.007782980	+6
2439213.5	+0.615726481	+0.007797933	+6
2439214.5	+0.623531510	+0.007811975	+6
2439215.5	+0.631350132	+0.007825120	+5
2439216.5	+0.639181448	+0.007837358	+5
2439217.5	+0.647024534	+0.007848654	+4
2439218.5	+0.654878423	+0.007858952	+4
2439219.5	+0.662742081	+0.007868179	+4
2439220.5	+0.670614399	+0.007876262	+3
2439221.5	+0.678494204	+0.007883144	+3
2439222.5	+0.686380276	+0.007888795	+2
2439223.5	+0.694271385	+0.007893220	+2
2439224.5	+0.702166318	+0.007896453	+1
2439225.5	+0.710063912	+0.007898549	+1
2439226.5	+0.717963059	+0.007899572	0
2439227.5	+0.725862721	+0.007899590	0
2439228.5	+0.733761924	+0.007898663	−1
2439229.5	+0.741659752	+0.007896851	−1
2439230.5	+0.749555351	+0.007894213	−1
2439231.5	+0.757447917	+0.007890793	−2
2439232.5	+0.765336695	+0.007886647	−2
2439233.5	+0.773220985	+0.007881825	−2
2439234.5	+0.781100136	+0.007876378	−2
2439235.5	+0.788973552	+0.007870363	−3
2439236.5	+0.796840693	+0.007863839	−3
2439237.5	+0.804701079	+0.007856863	−3
2439238.5	+0.812554285	+0.007849487	−3
2439239.5	+0.820399936	+0.007841762	−3
2439240.5	+0.828237705	+0.007833726	−3
2439241.5	+0.836067293	+0.007825406	−3
2439242.5	+0.843888426	+0.007816814	−4
2439243.5	+0.851700827	+0.007807941	−4
2439244.5	+0.859504206	+0.007798764	−4
2439245.5	+0.867298238	+0.007789236	−4
2439246.5	+0.875082540	+0.007779293	−4
2439247.5	+0.882856659	+0.007768855	−4
2439248.5	+0.890620054	+0.007757830	−5
2439249.5	+0.898372097	+0.007746139	−5
2439250.5	+0.906112086	+0.007733710	−5
2439251.5	+0.913839255	+0.007720494	−6
2439252.5	+0.921552804	+0.007706468	−6
2439253.5	+0.929251922	+0.007691635	−6
2439254.5	+0.936935810	+0.007676011	−7
2439255.5	+0.944603690	+0.007659626	−7
2439256.5	+0.952254820	+0.007642514	−7
2439257.5	+0.959888486	+0.007624706	−7
2439258.5	+0.967504013	+0.007606240	−8
2439259.5	+0.975100756	+0.007587141	−8
2439260.5	+0.982678097	+0.007567446	−8
2439261.5	+0.990235460	+0.007547186	−8
2439262.5	+0.997772291	+0.007526393	−9
2439263.5	+1.005288084	+0.007505115	−9
2439264.5	+1.012782376	+0.007483401	−9
2439265.5	+1.020254760	+0.007461307	−9
2439266.5	+1.027704885	+0.007438896	−9
2439267.5	+1.035132468	+0.007416231	−9
2439268.5	+1.042537280	+0.007393365	−9
2439269.5	+1.049919147	+0.007370346	−10
2439270.5	+1.057277929	+0.007347198	−10
2439271.5	+1.064613503	+0.007323928	−10
2439272.5	+1.071925739	+0.007300519	−10
2439273.5	+1.079214485	+0.007276940	−10
2439274.5	+1.086479543	+0.007253132	−10
2439275.5	+1.093720650	+0.007229028	−10
2439276.5	+1.100937476	+0.007204555	−10
2439277.5	+1.108129609	+0.007179630	−10
2439278.5	+1.115296562	+0.007154184	−11
2439279.5	+1.122437780	+0.007128149	−11
2439280.5	+1.129552647	+0.007101477	−11
2439281.5	+1.136640512	+0.007074140	−11
2439282.5	+1.143700700	+0.007046122	−12
2439283.5	+1.150732530	+0.007017425	−12
2439284.5	+1.157735327	+0.006988057	−12
2439285.5	+1.164708425	+0.006958032	−13
2439286.5	+1.171651178	+0.006927368	−13
2439287.5	+1.178562955	+0.006896085	−13
2439288.5	+1.185443148	+0.006864202	−13
2439289.5	+1.192291164	+0.006831736	−14
2439290.5	+1.199106433	+0.006798711	−14
2439291.5	+1.205888411	+0.006765161	−14
2439292.5	+1.212636591	+0.006731121	−14
2439293.5	+1.219350507	+0.006696645	−14
2439294.5	+1.226029757	+0.006661799	−14
2439295.5	+1.232674005	+0.006626654	−15
2439296.5	+1.239282993	+0.006591294	−15
2439297.5	+1.245856546	+0.006555795	−15
2439298.5	+1.252394554	+0.006520210	−15
2439299.5	+1.258896951	+0.006484581	−15
2439300.5	+1.265363703	+0.006448914	−15
2439301.5	+1.271794761	+0.006413192	−15
2439302.5	+1.278190057	+0.006377379	−15
2439303.5	+1.284549471	+0.006341421	−15
2439304.5	+1.290872831	+0.006305258	−15
2439305.5	+1.297159896	+0.006268820	−15
2439306.5	+1.303410359	+0.006232046	−15
2439307.5	+1.309623855	+0.006194873	−15
2439308.5	+1.315799955	+0.006157250	−16
2439309.5	+1.321938190	+0.006119133	−16
2439310.5	+1.328038045	+0.006080488	−16
2439311.5	+1.334098984	+0.006041298	−16
2439312.5	+1.340120455	+0.006001550	−17
2439313.5	+1.346101896	+0.005961240	−17
2439314.5	+1.352042747	+0.005920368	−17
2439315.5	+1.357942446	+0.005878938	−17
2439316.5	+1.363800440	+0.005836959	−17
2439317.5	+1.369616182	+0.005794436	−18
2439318.5	+1.375389134	+0.005751380	−18
2439319.5	+1.381118769	+0.005707804	−18
2439320.5	+1.386804575	+0.005663728	−18
2439321.5	+1.392446071	+0.005619190	−18
2439322.5	+1.398042817	+0.005574239	−19
2439323.5	+1.403594436	+0.005528948	−19
2439324.5	+1.409100629	+0.005483403	−19
2439325.5	+1.414561191	+0.005437704	−19
2439326.5	+1.419976017	+0.005391943	−19
2439327.5	+1.425345084	+0.005346200	−19
2439328.5	+1.430668441	+0.005300527	−19
2439329.5	+1.435946165	+0.005254935	−19
2439330.5	+1.441178333	+0.005209411	−19

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439331.5	+1.446364998	+0.005163922	-19	2439391.5	+1.667184904	+0.002137926	-21
2439332.5	+1.451506173	+0.005118423	-19	2439392.5	+1.669297703	+0.002087718	-21
2439333.5	+1.456601822	+0.005072859	-19	2439393.5	+1.671360426	+0.002037770	-21
2439334.5	+1.461651853	+0.005027180	-19	2439394.5	+1.673373321	+0.001988058	-20
2439335.5	+1.466656125	+0.004981331	-19	2439395.5	+1.675336610	+0.001938551	-20
2439336.5	+1.471614442	+0.004935264	-19	2439396.5	+1.677250482	+0.001889221	-20
2439337.5	+1.476526568	+0.004888941	-19	2439397.5	+1.679115102	+0.001840040	-20
2439338.5	+1.481392225	+0.004842322	-19	2439398.5	+1.680930601	+0.001790977	-20
2439339.5	+1.486211104	+0.004795379	-19	2439399.5	+1.682697084	+0.001741999	-20
2439340.5	+1.490982865	+0.004748082	-20	2439400.5	+1.684414618	+0.001693077	-20
2439341.5	+1.495707145	+0.004700415	-20	2439401.5	+1.686083245	+0.001644176	-20
2439342.5	+1.500383569	+0.004652370	-20	2439402.5	+1.687702966	+0.001595263	-20
2439343.5	+1.505011752	+0.004603927	-20	2439403.5	+1.689273755	+0.001546304	-20
2439344.5	+1.509591290	+0.004555084	-20	2439404.5	+1.690795548	+0.001497269	-20
2439345.5	+1.514121786	+0.004505838	-20	2439405.5	+1.692268259	+0.001448132	-20
2439346.5	+1.518602828	+0.004456178	-21	2439406.5	+1.693691768	+0.001398862	-20
2439347.5	+1.523034006	+0.004406109	-21	2439407.5	+1.695065934	+0.001349447	-20
2439348.5	+1.527414910	+0.004355630	-21	2439408.5	+1.696390612	+0.001299884	-20
2439349.5	+1.531745133	+0.004304751	-21	2439409.5	+1.697665659	+0.001250193	-21
2439350.5	+1.536024288	+0.004253499	-21	2439410.5	+1.698890973	+0.001200428	-21
2439351.5	+1.540252022	+0.004201920	-21	2439411.5	+1.700066515	+0.001150665	-21
2439352.5	+1.544428041	+0.004150082	-21	2439412.5	+1.701192339	+0.001101009	-20
2439353.5	+1.548552131	+0.004098081	-21	2439413.5	+1.702268607	+0.001051573	-20
2439354.5	+1.552624186	+0.004046029	-21	2439414.5	+1.703295592	+0.001002455	-20
2439355.5	+1.556644210	+0.003994040	-21	2439415.5	+1.704273650	+0.000953735	-20
2439356.5	+1.560612317	+0.003942205	-21	2439416.5	+1.705203211	+0.000905462	-20
2439357.5	+1.564528692	+0.003890585	-21	2439417.5	+1.706084727	+0.000857649	-20
2439358.5	+1.568393570	+0.003839212	-21	2439418.5	+1.706918663	+0.000810298	-19
2439359.5	+1.572207196	+0.003788076	-21	2439419.5	+1.707705471	+0.000763392	-19
2439360.5	+1.575969793	+0.003737153	-21	2439420.5	+1.708445589	+0.000716912	-19
2439361.5	+1.579681560	+0.003686405	-21	2439421.5	+1.709139430	+0.000670835	-19
2439362.5	+1.583342648	+0.003635790	-21	2439422.5	+1.709787388	+0.000625143	-19
2439363.5	+1.586953172	+0.003585269	-21	2439423.5	+1.710389836	+0.000579809	-19
2439364.5	+1.590513203	+0.003534798	-21	2439424.5	+1.710947119	+0.000534812	-19
2439365.5	+1.594022773	+0.003484342	-21	2439425.5	+1.711459566	+0.000490132	-18
2439366.5	+1.597481882	+0.003433870	-21	2439426.5	+1.711927478	+0.000445736	-18
2439367.5	+1.600890496	+0.003383347	-21	2439427.5	+1.712351123	+0.000401594	-18
2439368.5	+1.604248549	+0.003332745	-21	2439428.5	+1.712730740	+0.000357672	-18
2439369.5	+1.607555950	+0.003282036	-21	2439429.5	+1.713066526	+0.000313925	-18
2439370.5	+1.610812577	+0.003231195	-21	2439430.5	+1.713358633	+0.000270307	-18
2439371.5	+1.614018289	+0.003180200	-21	2439431.5	+1.713607167	+0.000226770	-18
2439372.5	+1.617172919	+0.003129029	-21	2439432.5	+1.713812184	+0.000183265	-18
2439373.5	+1.620276283	+0.003077664	-21	2439433.5	+1.713973691	+0.000139743	-18
2439374.5	+1.623328177	+0.003026087	-21	2439434.5	+1.714091651	+0.000096164	-18
2439375.5	+1.626328381	+0.002974282	-21	2439435.5	+1.714165985	+0.000052484	-18
2439376.5	+1.629276660	+0.002922233	-22	2439436.5	+1.714196577	+0.000008679	-18
2439377.5	+1.632172762	+0.002869928	-22	2439437.5	+1.714183298	-0.000035259	-18
2439378.5	+1.635016430	+0.002817367	-22	2439438.5	+1.714126015	-0.000079327	-18
2439379.5	+1.637807413	+0.002764560	-22	2439439.5	+1.714024614	-0.000123485	-18
2439380.5	+1.640545479	+0.002711542	-22	2439440.5	+1.713879037	-0.000167667	-18
2439381.5	+1.643230448	+0.002658378	-22	2439441.5	+1.713689299	-0.000211792	-18
2439382.5	+1.645862216	+0.002605158	-22	2439442.5	+1.713455504	-0.000255766	-18
2439383.5	+1.648440784	+0.002551998	-22	2439443.5	+1.713177848	-0.000299499	-18
2439384.5	+1.650966270	+0.002499012	-22	2439444.5	+1.712856611	-0.000342916	-18
2439385.5	+1.653438902	+0.002446308	-22	2439445.5	+1.712492139	-0.000385962	-18
2439386.5	+1.655859004	+0.002393958	-22	2439446.5	+1.712084818	-0.000428614	-18
2439387.5	+1.658226948	+0.002341996	-21	2439447.5	+1.711635047	-0.000470857	-17
2439388.5	+1.660543130	+0.002290434	-21	2439448.5	+1.711143240	-0.000512690	-17
2439389.5	+1.662807943	+0.002239253	-21	2439449.5	+1.710609799	-0.000554126	-17
2439390.5	+1.665021754	+0.002188426	-21	2439450.5	+1.710035118	-0.000595173	-17

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439451.5	+1.709419579	-0.000635843	-17	2439511.5	+1.601973908	-0.002930497	-16
2439452.5	+1.708763554	-0.000676147	-17	2439512.5	+1.599024394	-0.002968506	-16
2439453.5	+1.708067402	-0.000716099	-16	2439513.5	+1.596036952	-0.003006347	-16
2439454.5	+1.707331467	-0.000755717	-16	2439514.5	+1.593011759	-0.003044012	-16
2439455.5	+1.706556073	-0.000795019	-16	2439515.5	+1.589948980	-0.003081520	-16
2439456.5	+1.705741524	-0.000834035	-16	2439516.5	+1.586848758	-0.003118910	-16
2439457.5	+1.704888085	-0.000872805	-16	2439517.5	+1.583711180	-0.003156241	-16
2439458.5	+1.703995982	-0.000911373	-16	2439518.5	+1.580536267	-0.003193598	-16
2439459.5	+1.703065387	-0.000949799	-16	2439519.5	+1.577323942	-0.003231081	-16
2439460.5	+1.702096409	-0.000988150	-16	2439520.5	+1.574074031	-0.003268787	-16
2439461.5	+1.701089092	-0.001026487	-16	2439521.5	+1.570786265	-0.003306802	-16
2439462.5	+1.700043417	-0.001064877	-16	2439522.5	+1.567460303	-0.003345188	-16
2439463.5	+1.698959301	-0.001103379	-16	2439523.5	+1.564095752	-0.003383985	-16
2439464.5	+1.697836604	-0.001142045	-16	2439524.5	+1.560692190	-0.003423211	-16
2439465.5	+1.696675147	-0.001180903	-16	2439525.5	+1.557249186	-0.003462867	-17
2439466.5	+1.695474727	-0.001219974	-16	2439526.5	+1.553766319	-0.003502933	-17
2439467.5	+1.694235130	-0.001259252	-16	2439527.5	+1.550243192	-0.003543383	-17
2439468.5	+1.692956162	-0.001298712	-16	2439528.5	+1.546679435	-0.003584187	-17
2439469.5	+1.691637661	-0.001338308	-16	2439529.5	+1.543074714	-0.003625303	-17
2439470.5	+1.690279522	-0.001377977	-16	2439530.5	+1.539428739	-0.003666688	-17
2439471.5	+1.688881708	-0.001417643	-16	2439531.5	+1.535741262	-0.003708299	-17
2439472.5	+1.687444260	-0.001457237	-16	2439532.5	+1.532012079	-0.003750095	-17
2439473.5	+1.685967280	-0.001496692	-16	2439533.5	+1.528241024	-0.003792036	-18
2439474.5	+1.684450939	-0.001535958	-16	2439534.5	+1.524427971	-0.003834086	-18
2439475.5	+1.682895440	-0.001574998	-16	2439535.5	+1.520572826	-0.003876213	-18
2439476.5	+1.681301026	-0.001613789	-16	2439536.5	+1.516675530	-0.003918384	-18
2439477.5	+1.679667948	-0.001652321	-16	2439537.5	+1.512736051	-0.003960575	-18
2439478.5	+1.677996473	-0.001690586	-16	2439538.5	+1.508754384	-0.004002755	-18
2439479.5	+1.676286866	-0.001728583	-16	2439539.5	+1.504730557	-0.004044889	-18
2439480.5	+1.674539397	-0.001766311	-16	2439540.5	+1.500664632	-0.004086947	-18
2439481.5	+1.672754333	-0.001803771	-15	2439541.5	+1.496556701	-0.004128892	-17
2439482.5	+1.670931946	-0.001840959	-15	2439542.5	+1.492406897	-0.004170690	-17
2439483.5	+1.669072503	-0.001877883	-15	2439543.5	+1.488215378	-0.004212318	-17
2439484.5	+1.667176267	-0.001914548	-15	2439544.5	+1.483982323	-0.004253762	-17
2439485.5	+1.665243488	-0.001950973	-15	2439545.5	+1.479707909	-0.004295041	-17
2439486.5	+1.663274391	-0.001987190	-15	2439546.5	+1.475392279	-0.004336205	-17
2439487.5	+1.661269163	-0.002023244	-15	2439547.5	+1.471035511	-0.004377335	-17
2439488.5	+1.659227936	-0.002059201	-15	2439548.5	+1.466637586	-0.004418534	-17
2439489.5	+1.657150767	-0.002095139	-15	2439549.5	+1.462198384	-0.004459908	-17
2439490.5	+1.655037636	-0.002131142	-15	2439550.5	+1.457717681	-0.004501548	-17
2439491.5	+1.652888434	-0.002167293	-15	2439551.5	+1.453195176	-0.004543522	-18
2439492.5	+1.650702977	-0.002203664	-15	2439552.5	+1.448630512	-0.004585869	-18
2439493.5	+1.648481014	-0.002240312	-15	2439553.5	+1.444023308	-0.004628605	-18
2439494.5	+1.646222247	-0.002277277	-16	2439554.5	+1.439373173	-0.004671727	-18
2439495.5	+1.643926349	-0.002314576	-16	2439555.5	+1.434679728	-0.004715225	-18
2439496.5	+1.641592984	-0.002352207	-16	2439556.5	+1.429942606	-0.004759072	-18
2439497.5	+1.639221831	-0.002390151	-16	2439557.5	+1.425161477	-0.004803239	-19
2439498.5	+1.636812588	-0.002428376	-16	2439558.5	+1.420336030	-0.004847700	-19
2439499.5	+1.634365002	-0.002466833	-16	2439559.5	+1.415465993	-0.004892413	-19
2439500.5	+1.631878861	-0.002505475	-16	2439560.5	+1.410551131	-0.004937346	-19
2439501.5	+1.629354011	-0.002544241	-16	2439561.5	+1.405591241	-0.004982458	-19
2439502.5	+1.626790356	-0.002583077	-16	2439562.5	+1.400586168	-0.005027709	-19
2439503.5	+1.624187847	-0.002621943	-16	2439563.5	+1.395535789	-0.005073061	-19
2439504.5	+1.621546475	-0.002660795	-16	2439564.5	+1.390440026	-0.005118472	-19
2439505.5	+1.618866272	-0.002699603	-16	2439565.5	+1.385298840	-0.005163900	-19
2439506.5	+1.616147290	-0.002738347	-16	2439566.5	+1.380112235	-0.005209303	-19
2439507.5	+1.613389606	-0.002777005	-16	2439567.5	+1.374880256	-0.005254640	-19
2439508.5	+1.610593312	-0.002815565	-16	2439568.5	+1.369602993	-0.005299862	-19
2439509.5	+1.607758514	-0.002854010	-16	2439569.5	+1.364280587	-0.005344917	-19
2439510.5	+1.604885334	-0.002892328	-16	2439570.5	+1.358913233	-0.005389750	-19

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439571.5	+1.353501179	-0.005434307	-19	2439631.5	+0.953304093	-0.007731300	-11
2439572.5	+1.348044728	-0.005478536	-18	2439632.5	+0.945560339	-0.007756033	-10
2439573.5	+1.342544228	-0.005522404	-18	2439633.5	+0.937792371	-0.007779735	-10
2439574.5	+1.337000043	-0.005565905	-18	2439634.5	+0.930001198	-0.007802450	-9
2439575.5	+1.331412531	-0.005609070	-18	2439635.5	+0.922187778	-0.007824243	-9
2439576.5	+1.325781993	-0.005651968	-18	2439636.5	+0.914352993	-0.007845193	-9
2439577.5	+1.320108653	-0.005694693	-18	2439637.5	+0.906497647	-0.007865378	-8
2439578.5	+1.314392630	-0.005737351	-18	2439638.5	+0.898622469	-0.007884866	-8
2439579.5	+1.308633944	-0.005780032	-18	2439639.5	+0.890728134	-0.007903698	-8
2439580.5	+1.302832536	-0.005822803	-18	2439640.5	+0.882815281	-0.007921908	-7
2439581.5	+1.296988292	-0.005865710	-18	2439641.5	+0.874884521	-0.007939511	-7
2439582.5	+1.291101065	-0.005908770	-18	2439642.5	+0.866936460	-0.007956511	-7
2439583.5	+1.285170702	-0.005951980	-18	2439643.5	+0.858971698	-0.007972912	-7
2439584.5	+1.279197058	-0.005995331	-18	2439644.5	+0.850990837	-0.007988708	-6
2439585.5	+1.273180000	-0.006038803	-18	2439645.5	+0.842994485	-0.008003896	-6
2439586.5	+1.267119418	-0.006082377	-18	2439646.5	+0.834983249	-0.008018471	-6
2439587.5	+1.261015222	-0.006126024	-18	2439647.5	+0.826957753	-0.008032416	-6
2439588.5	+1.254867354	-0.006169719	-18	2439648.5	+0.818918630	-0.008045721	-5
2439589.5	+1.248675777	-0.006213433	-18	2439649.5	+0.810866532	-0.008058362	-5
2439590.5	+1.242440494	-0.006257127	-18	2439650.5	+0.802802139	-0.008070304	-5
2439591.5	+1.236161541	-0.006300768	-18	2439651.5	+0.794726172	-0.008081502	-5
2439592.5	+1.229838990	-0.006344315	-18	2439652.5	+0.786639403	-0.008091896	-4
2439593.5	+1.223472958	-0.006387722	-18	2439653.5	+0.778542671	-0.008101417	-4
2439594.5	+1.217063608	-0.006430942	-18	2439654.5	+0.770436888	-0.008109981	-3
2439595.5	+1.210611152	-0.006473928	-18	2439655.5	+0.762323057	-0.008117501	-3
2439596.5	+1.204115850	-0.006516620	-18	2439656.5	+0.754202267	-0.008123880	-2
2439597.5	+1.197578030	-0.006558958	-18	2439657.5	+0.746075711	-0.008129017	-2
2439598.5	+1.190998073	-0.006600880	-17	2439658.5	+0.737944676	-0.008132824	-1
2439599.5	+1.184376431	-0.006642317	-17	2439659.5	+0.729810535	-0.008135216	-1
2439600.5	+1.177713624	-0.006683197	-17	2439660.5	+0.721674737	-0.008136129	0
2439601.5	+1.171010245	-0.006723452	-17	2439661.5	+0.713538782	-0.008135527	+1
2439602.5	+1.164266943	-0.006763037	-16	2439662.5	+0.705404193	-0.008133396	+1
2439603.5	+1.157484402	-0.006801929	-16	2439663.5	+0.697272496	-0.008129749	+2
2439604.5	+1.150663311	-0.006840142	-16	2439664.5	+0.689145187	-0.008124628	+2
2439605.5	+1.143804326	-0.006877730	-16	2439665.5	+0.681023718	-0.008118075	+3
2439606.5	+1.136908030	-0.006914779	-15	2439666.5	+0.672909501	-0.008110132	+4
2439607.5	+1.129974916	-0.006951382	-15	2439667.5	+0.664803906	-0.008100835	+4
2439608.5	+1.123005386	-0.006987626	-15	2439668.5	+0.656708275	-0.008090205	+5
2439609.5	+1.115999761	-0.007023578	-15	2439669.5	+0.648623938	-0.008078250	+5
2439610.5	+1.108958310	-0.007059288	-15	2439670.5	+0.640552220	-0.008064960	+6
2439611.5	+1.101881258	-0.007094778	-15	2439671.5	+0.632494467	-0.008050322	+6
2439612.5	+1.094768824	-0.007130057	-15	2439672.5	+0.624452032	-0.008034316	+7
2439613.5	+1.087621216	-0.007165121	-15	2439673.5	+0.616426301	-0.008016911	+8
2439614.5	+1.080438657	-0.007199961	-14	2439674.5	+0.608418687	-0.007998077	+8
2439615.5	+1.073221371	-0.007234570	-14	2439675.5	+0.600430635	-0.007977781	+9
2439616.5	+1.065969600	-0.007268931	-14	2439676.5	+0.592463627	-0.007955978	+9
2439617.5	+1.058683598	-0.007303026	-14	2439677.5	+0.584519197	-0.007932620	+10
2439618.5	+1.051363644	-0.007336834	-14	2439678.5	+0.576598927	-0.007907642	+11
2439619.5	+1.044010031	-0.007370338	-14	2439679.5	+0.568704481	-0.007880960	+12
2439620.5	+1.036623081	-0.007403503	-14	2439680.5	+0.560837609	-0.007852471	+12
2439621.5	+1.029203148	-0.007436298	-14	2439681.5	+0.553000185	-0.007822044	+13
2439622.5	+1.021750624	-0.007468676	-13	2439682.5	+0.545194217	-0.007789528	+14
2439623.5	+1.014265952	-0.007500588	-13	2439683.5	+0.537421883	-0.007754750	+15
2439624.5	+1.006749621	-0.007531983	-13	2439684.5	+0.529685532	-0.007717527	+16
2439625.5	+0.999202181	-0.007562795	-13	2439685.5	+0.521987706	-0.007677672	+17
2439626.5	+0.991624250	-0.007592950	-12	2439686.5	+0.514331130	-0.007634992	+18
2439627.5	+0.984016522	-0.007622381	-12	2439687.5	+0.506718723	-0.007589309	+20
2439628.5	+0.976379757	-0.007651006	-12	2439688.5	+0.499153571	-0.007540451	+21
2439629.5	+0.968714807	-0.007678741	-11	2439689.5	+0.491638931	-0.007488264	+23
2439630.5	+0.961022592	-0.007705525	-11	2439690.5	+0.484178196	-0.007432619	+24

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439691.5	+0.476774888	−0.007373390	+25	2439751.5	+0.332731487	+0.004589500	+74
2439692.5	+0.469432644	−0.007310476	+27	2439752.5	+0.337408148	+0.004762458	+71
2439693.5	+0.462155195	−0.007243783	+29	2439753.5	+0.342253697	+0.004927298	+67
2439694.5	+0.454946370	−0.007173214	+30	2439754.5	+0.347260090	+0.005084175	+64
2439695.5	+0.447810094	−0.007098664	+32	2439755.5	+0.352419455	+0.005233276	+61
2439696.5	+0.440750408	−0.007020017	+34	2439756.5	+0.357724120	+0.005374812	+58
2439697.5	+0.433771469	−0.006937145	+36	2439757.5	+0.363166635	+0.005509015	+55
2439698.5	+0.426877576	−0.006849899	+37	2439758.5	+0.368739790	+0.005636137	+52
2439699.5	+0.420073183	−0.006758116	+39	2439759.5	+0.374436632	+0.005756430	+49
2439700.5	+0.413362913	−0.006661626	+41	2439760.5	+0.380250462	+0.005870161	+46
2439701.5	+0.406751564	−0.006560238	+43	2439761.5	+0.386174859	+0.005977607	+44
2439702.5	+0.400244133	−0.006453761	+46	2439762.5	+0.392203674	+0.006079046	+41
2439703.5	+0.393845804	−0.006341997	+48	2439763.5	+0.398331048	+0.006174775	+39
2439704.5	+0.387561970	−0.006224738	+50	2439764.5	+0.404551424	+0.006265104	+37
2439705.5	+0.381398231	−0.006101771	+53	2439765.5	+0.410859567	+0.006350366	+35
2439706.5	+0.375360405	−0.005972872	+55	2439766.5	+0.417250582	+0.006430904	+33
2439707.5	+0.369454546	−0.005837796	+58	2439767.5	+0.423719916	+0.006507064	+31
2439708.5	+0.363686960	−0.005696278	+60	2439768.5	+0.430263365	+0.006579187	+29
2439709.5	+0.358064233	−0.005548029	+63	2439769.5	+0.436877041	+0.006647562	+28
2439710.5	+0.352593248	−0.005392743	+66	2439770.5	+0.443557321	+0.006712431	+26
2439711.5	+0.347281200	−0.005230097	+69	2439771.5	+0.450300799	+0.006773986	+25
2439712.5	+0.342135614	−0.005059771	+73	2439772.5	+0.457104237	+0.006832371	+24
2439713.5	+0.337164313	−0.004881482	+76	2439773.5	+0.463964521	+0.006887695	+22
2439714.5	+0.332375388	−0.004694982	+80	2439774.5	+0.470878638	+0.006940053	+21
2439715.5	+0.327777150	−0.004500083	+83	2439775.5	+0.477843667	+0.006989530	+20
2439716.5	+0.323378063	−0.004296666	+87	2439776.5	+0.484856764	+0.007036205	+19
2439717.5	+0.319186674	−0.004084685	+90	2439777.5	+0.491915169	+0.007080158	+18
2439718.5	+0.315211536	−0.003864178	+94	2439778.5	+0.499016198	+0.007121465	+17
2439719.5	+0.311461122	−0.003635263	+97	2439779.5	+0.506157244	+0.007160206	+16
2439720.5	+0.307943744	−0.003398151	+101	2439780.5	+0.513335779	+0.007196454	+15
2439721.5	+0.304667461	−0.003153120	+104	2439781.5	+0.520549345	+0.007230281	+14
2439722.5	+0.301640024	−0.002900531	+107	2439782.5	+0.527795559	+0.007261763	+13
2439723.5	+0.298868766	−0.002640844	+110	2439783.5	+0.535072114	+0.007290973	+12
2439724.5	+0.296360529	−0.002374582	+112	2439784.5	+0.542376771	+0.007317979	+11
2439725.5	+0.294121596	−0.002102342	+115	2439785.5	+0.549707362	+0.007342855	+10
2439726.5	+0.292157615	−0.001824793	+117	2439786.5	+0.557061795	+0.007365673	+9
2439727.5	+0.290473538	−0.001542661	+119	2439787.5	+0.564438046	+0.007386504	+8
2439728.5	+0.289073559	−0.001256731	+120	2439788.5	+0.571834164	+0.007405419	+8
2439729.5	+0.287961062	−0.000967841	+121	2439789.5	+0.579248269	+0.007422490	+7
2439730.5	+0.287138565	−0.000676888	+122	2439790.5	+0.586678555	+0.007437793	+6
2439731.5	+0.286607678	−0.000384760	+122	2439791.5	+0.594123295	+0.007451415	+5
2439732.5	+0.286369129	−0.000092378	+122	2439792.5	+0.601580856	+0.007463452	+5
2439733.5	+0.286422694	+0.000199320	+121	2439793.5	+0.609049710	+0.007474022	+4
2439734.5	+0.286767241	+0.000489436	+121	2439794.5	+0.616528458	+0.007483266	+4
2439735.5	+0.287400748	+0.000777101	+119	2439795.5	+0.624015851	+0.007491338	+3
2439736.5	+0.288320359	+0.001061516	+118	2439796.5	+0.631510799	+0.007498403	+3
2439737.5	+0.289522455	+0.001341958	+116	2439797.5	+0.639012371	+0.007504608	+2
2439738.5	+0.291002735	+0.001617781	+114	2439798.5	+0.646519767	+0.007510067	+2
2439739.5	+0.292756289	+0.001888422	+112	2439799.5	+0.654032281	+0.007514852	+2
2439740.5	+0.294777680	+0.002153367	+109	2439800.5	+0.661549256	+0.007518991	+2
2439741.5	+0.297060974	+0.002412167	+107	2439801.5	+0.669070045	+0.007522476	+1
2439742.5	+0.299599828	+0.002664410	+104	2439802.5	+0.676593983	+0.007525287	+1
2439743.5	+0.302387473	+0.002909691	+101	2439803.5	+0.684120382	+0.007527389	+1
2439744.5	+0.305416772	+0.003147658	+98	2439804.5	+0.691648515	+0.007528755	0
2439745.5	+0.308680247	+0.003377999	+95	2439805.5	+0.699177639	+0.007529362	0
2439746.5	+0.312170141	+0.003600456	+91	2439806.5	+0.706706978	+0.007529186	0
2439747.5	+0.315878463	+0.003814827	+88	2439807.5	+0.714235745	+0.007528213	−1
2439748.5	+0.319797052	+0.004020972	+84	2439808.5	+0.721763134	+0.007526429	−1
2439749.5	+0.323917638	+0.004218811	+81	2439809.5	+0.729288327	+0.007523818	−1
2439750.5	+0.328231893	+0.004408310	+77	2439810.5	+0.736810491	+0.007520370	−2

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439811.5	+0.744328783	+0.007516071	−2
2439812.5	+0.751842347	+0.007510913	−2
2439813.5	+0.759350318	+0.007504883	−3
2439814.5	+0.766851820	+0.007497975	−3
2439815.5	+0.774345974	+0.007490187	−3
2439816.5	+0.781831900	+0.007481519	−4
2439817.5	+0.789308720	+0.007471975	−4
2439818.5	+0.796775563	+0.007461569	−5
2439819.5	+0.804231578	+0.007450323	−5
2439820.5	+0.811675940	+0.007438269	−5
2439821.5	+0.819107864	+0.007425459	−5
2439822.5	+0.826526629	+0.007411964	−6
2439823.5	+0.833931595	+0.007397879	−6
2439824.5	+0.841322229	+0.007383321	−6
2439825.5	+0.848698119	+0.007368409	−6
2439826.5	+0.856058965	+0.007353252	−6
2439827.5	+0.863404570	+0.007337937	−6
2439828.5	+0.870734802	+0.007322509	−6
2439829.5	+0.878049555	+0.007306979	−7
2439830.5	+0.885348722	+0.007291334	−7
2439831.5	+0.892632172	+0.007275537	−7
2439832.5	+0.899899731	+0.007259546	−7
2439833.5	+0.907151189	+0.007243330	−7
2439834.5	+0.914386304	+0.007226852	−7
2439835.5	+0.921604795	+0.007210080	−7
2439836.5	+0.928806359	+0.007192992	−7
2439837.5	+0.935990665	+0.007175561	−7
2439838.5	+0.943157358	+0.007157761	−8
2439839.5	+0.950306056	+0.007139566	−8
2439840.5	+0.957436350	+0.007120949	−8
2439841.5	+0.964547802	+0.007101876	−8
2439842.5	+0.971639939	+0.007082314	−8
2439843.5	+0.978712259	+0.007062238	−8
2439844.5	+0.985764234	+0.007041619	−9
2439845.5	+0.992795309	+0.007020437	−9
2439846.5	+0.999804915	+0.006998678	−9
2439847.5	+1.006792472	+0.006976340	−9
2439848.5	+1.013757405	+0.006953434	−10
2439849.5	+1.020699158	+0.006929983	−10
2439850.5	+1.027617203	+0.006906029	−10
2439851.5	+1.034511069	+0.006881636	−10
2439852.5	+1.041380356	+0.006856886	−10
2439853.5	+1.048224754	+0.006831876	−10
2439854.5	+1.055044055	+0.006806708	−11
2439855.5	+1.061838151	+0.006781483	−11
2439856.5	+1.068607027	+0.006756275	−11
2439857.5	+1.075350724	+0.006731135	−11
2439858.5	+1.082069328	+0.006706087	−11
2439859.5	+1.088762926	+0.006681123	−11
2439860.5	+1.095431599	+0.006656233	−10
2439861.5	+1.102075407	+0.006631387	−10
2439862.5	+1.108694377	+0.006606555	−10
2439863.5	+1.115288513	+0.006581712	−10
2439864.5	+1.121857791	+0.006556838	−11
2439865.5	+1.128402170	+0.006531908	−11
2439866.5	+1.134921580	+0.006506895	−11
2439867.5	+1.141415926	+0.006481780	−11
2439868.5	+1.147885095	+0.006456531	−11
2439869.5	+1.154328931	+0.006431113	−11
2439870.5	+1.160747251	+0.006405487	−11
2439871.5	+1.167139818	+0.006379599	−11
2439872.5	+1.173506348	+0.006353408	−11
2439873.5	+1.179846516	+0.006326864	−11
2439874.5	+1.186159944	+0.006299923	−11
2439875.5	+1.192446222	+0.006272561	−12
2439876.5	+1.198704920	+0.006244759	−12
2439877.5	+1.204935595	+0.006216521	−12
2439878.5	+1.211137823	+0.006187867	−12
2439879.5	+1.217311203	+0.006158835	−12
2439880.5	+1.223455386	+0.006129482	−12
2439881.5	+1.229570084	+0.006099879	−13
2439882.5	+1.235655088	+0.006070107	−13
2439883.5	+1.241710271	+0.006040252	−13
2439884.5	+1.247735591	+0.006010394	−13
2439885.5	+1.253731080	+0.005980599	−13
2439886.5	+1.259696828	+0.005950919	−12
2439887.5	+1.265632966	+0.005921383	−12
2439888.5	+1.271539646	+0.005892004	−12
2439889.5	+1.277417025	+0.005862778	−12
2439890.5	+1.283265249	+0.005833693	−12
2439891.5	+1.289084455	+0.005804739	−12
2439892.5	+1.294874763	+0.005775894	−12
2439893.5	+1.300636274	+0.005747141	−12
2439894.5	+1.306369071	+0.005718467	−12
2439895.5	+1.312073227	+0.005689851	−12
2439896.5	+1.317748785	+0.005661270	−12
2439897.5	+1.323395770	+0.005632699	−12
2439898.5	+1.329014173	+0.005604096	−12
2439899.5	+1.334603936	+0.005575413	−12
2439900.5	+1.340164953	+0.005546590	−12
2439901.5	+1.345697046	+0.005517555	−12
2439902.5	+1.351199969	+0.005488237	−12
2439903.5	+1.356673403	+0.005458569	−13
2439904.5	+1.362116973	+0.005428501	−13
2439905.5	+1.367530260	+0.005397999	−13
2439906.5	+1.372912825	+0.005367061	−13
2439907.5	+1.378264240	+0.005335699	−13
2439908.5	+1.383584093	+0.005303946	−13
2439909.5	+1.388872020	+0.005271856	−14
2439910.5	+1.394127713	+0.005239488	−14
2439911.5	+1.399350925	+0.005206906	−14
2439912.5	+1.404541476	+0.005174176	−14
2439913.5	+1.409699249	+0.005141361	−14
2439914.5	+1.414824188	+0.005108516	−14
2439915.5	+1.419916288	+0.005075690	−14
2439916.5	+1.424975584	+0.005042911	−14
2439917.5	+1.430002131	+0.005010195	−14
2439918.5	+1.434996002	+0.004977562	−14
2439919.5	+1.439957281	+0.004945008	−14
2439920.5	+1.444886042	+0.004912528	−14
2439921.5	+1.449782361	+0.004880122	−14
2439922.5	+1.454646306	+0.004847777	−14
2439923.5	+1.459477932	+0.004815485	−14
2439924.5	+1.464277292	+0.004783242	−14
2439925.5	+1.469044426	+0.004751028	−14
2439926.5	+1.473779351	+0.004718823	−14
2439927.5	+1.478482063	+0.004686592	−14
2439928.5	+1.483152510	+0.004654284	−14
2439929.5	+1.487790583	+0.004621832	−14
2439930.5	+1.492396097	+0.004589148	−14

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2439931.5	+1.496968769	+0.004556135	-14	2439991.5	+1.699147745	+0.002013843	-21
2439932.5	+1.501508228	+0.004522704	-14	2439992.5	+1.701136166	+0.001962897	-22
2439933.5	+1.506014013	+0.004488781	-14	2439993.5	+1.703073331	+0.001911330	-22
2439934.5	+1.510485611	+0.004454322	-15	2439994.5	+1.704958619	+0.001859142	-22
2439935.5	+1.514922471	+0.004419306	-15	2439995.5	+1.706791416	+0.001806357	-22
2439936.5	+1.519324042	+0.004383749	-15	2439996.5	+1.708571146	+0.001753012	-23
2439937.5	+1.523689798	+0.004347680	-15	2439997.5	+1.710297266	+0.001699146	-23
2439938.5	+1.528019246	+0.004311144	-16	2439998.5	+1.711969278	+0.001644802	-23
2439939.5	+1.532311948	+0.004274193	-16	2439999.5	+1.713586723	+0.001590018	-23
2439940.5	+1.536567512	+0.004236880	-16	2440000.5	+1.715149182	+0.001534839	-23
2439941.5	+1.540785605	+0.004199258	-16	2440001.5	+1.716656281	+0.001479302	-24
2439942.5	+1.544965941	+0.004161376	-16	2440002.5	+1.718107678	+0.001423441	-24
2439943.5	+1.549108285	+0.004123279	-16	2440003.5	+1.719503069	+0.001367300	-24
2439944.5	+1.553212441	+0.004085007	-16	2440004.5	+1.720842199	+0.001310922	-24
2439945.5	+1.557278253	+0.004046598	-16	2440005.5	+1.722124846	+0.001254343	-24
2439946.5	+1.561305598	+0.004008073	-16	2440006.5	+1.723350833	+0.001197607	-24
2439947.5	+1.565294367	+0.003969451	-16	2440007.5	+1.724520021	+0.001140754	-24
2439948.5	+1.569244475	+0.003930754	-16	2440008.5	+1.725632316	+0.001083826	-24
2439949.5	+1.573155852	+0.003891987	-16	2440009.5	+1.726687662	+0.001026864	-24
2439950.5	+1.577028428	+0.003853159	-16	2440010.5	+1.727686047	+0.000969912	-24
2439951.5	+1.580862152	+0.003814279	-16	2440011.5	+1.728627502	+0.000913008	-24
2439952.5	+1.584656968	+0.003775346	-16	2440012.5	+1.729512091	+0.000856188	-24
2439953.5	+1.588412829	+0.003736367	-16	2440013.5	+1.730339917	+0.000799484	-24
2439954.5	+1.592129688	+0.003697345	-16	2440014.5	+1.731111101	+0.000742905	-24
2439955.5	+1.595807502	+0.003658270	-17	2440015.5	+1.731825767	+0.000686446	-24
2439956.5	+1.599446203	+0.003619118	-17	2440016.5	+1.732484018	+0.000630061	-24
2439957.5	+1.603045699	+0.003579850	-17	2440017.5	+1.733085891	+0.000573682	-24
2439958.5	+1.606605841	+0.003540397	-17	2440018.5	+1.733631353	+0.000517215	-24
2439959.5	+1.610126400	+0.003500667	-17	2440019.5	+1.734120255	+0.000460551	-24
2439960.5	+1.613607047	+0.003460555	-17	2440020.5	+1.734552361	+0.000403605	-24
2439961.5	+1.617047346	+0.003419951	-17	2440021.5	+1.734927347	+0.000346305	-24
2439962.5	+1.620446756	+0.003378768	-18	2440022.5	+1.735244842	+0.000288619	-24
2439963.5	+1.623804669	+0.003336947	-18	2440023.5	+1.735504453	+0.000230538	-25
2439964.5	+1.627120429	+0.003294462	-18	2440024.5	+1.735705791	+0.000172078	-25
2439965.5	+1.630393376	+0.003251326	-18	2440025.5	+1.735848490	+0.000113263	-25
2439966.5	+1.633622872	+0.003207564	-19	2440026.5	+1.735932209	+0.000054125	-25
2439967.5	+1.636808309	+0.003163218	-19	2440027.5	+1.735956644	-0.000005299	-25
2439968.5	+1.639949128	+0.003118334	-19	2440028.5	+1.735921525	-0.000064979	-25
2439969.5	+1.643044812	+0.003072957	-19	2440029.5	+1.735826612	-0.000124879	-25
2439970.5	+1.646094893	+0.003027135	-19	2440030.5	+1.735671704	-0.000184966	-25
2439971.5	+1.649098947	+0.002980909	-20	2440031.5	+1.735456629	-0.000245205	-25
2439972.5	+1.652056590	+0.002934319	-20	2440032.5	+1.735181256	-0.000305556	-25
2439973.5	+1.654967477	+0.002887405	-20	2440033.5	+1.734845493	-0.000365977	-26
2439974.5	+1.657831304	+0.002840204	-20	2440034.5	+1.734449294	-0.000426421	-26
2439975.5	+1.660647801	+0.002792750	-20	2440035.5	+1.733992658	-0.000486843	-25
2439976.5	+1.663416729	+0.002745072	-20	2440036.5	+1.733475634	-0.000547185	-25
2439977.5	+1.666137880	+0.002697200	-20	2440037.5	+1.732898334	-0.000607389	-25
2439978.5	+1.668811072	+0.002649158	-20	2440038.5	+1.732260918	-0.000667406	-25
2439979.5	+1.671436147	+0.002600970	-20	2440039.5	+1.731563605	-0.000727172	-25
2439980.5	+1.674012973	+0.002552665	-20	2440040.5	+1.730806674	-0.000786637	-25
2439981.5	+1.676541445	+0.002504262	-20	2440041.5	+1.729990448	-0.000845752	-25
2439982.5	+1.679021471	+0.002455780	-20	2440042.5	+1.729115302	-0.000904473	-25
2439983.5	+1.681452986	+0.002407242	-20	2440043.5	+1.728181640	-0.000962782	-25
2439984.5	+1.683835939	+0.002358656	-21	2440044.5	+1.727189877	-0.001020676	-24
2439985.5	+1.686170281	+0.002310019	-21	2440045.5	+1.726140416	-0.001078187	-24
2439986.5	+1.688455953	+0.002261308	-21	2440046.5	+1.725033612	-0.001135373	-24
2439987.5	+1.690692852	+0.002212461	-21	2440047.5	+1.723869752	-0.001192314	-24
2439988.5	+1.692880803	+0.002163397	-21	2440048.5	+1.722649034	-0.001249105	-24
2439989.5	+1.695019539	+0.002114011	-21	2440049.5	+1.721371564	-0.001305830	-24
2439990.5	+1.697108680	+0.002064191	-21	2440050.5	+1.720037375	-0.001362552	-24

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440051.5	+1.718646445	-0.001419319	-24	2440111.5	+1.539043569	-0.004355971	-16
2440052.5	+1.717198716	-0.001476149	-24	2440112.5	+1.534669040	-0.004393054	-16
2440053.5	+1.715694124	-0.001533047	-24	2440113.5	+1.530257524	-0.004429946	-16
2440054.5	+1.714132604	-0.001590000	-24	2440114.5	+1.525809205	-0.004466666	-15
2440055.5	+1.712514110	-0.001646994	-24	2440115.5	+1.521324243	-0.004503235	-15
2440056.5	+1.710838608	-0.001704012	-24	2440116.5	+1.516802779	-0.004539672	-15
2440057.5	+1.709106086	-0.001761031	-24	2440117.5	+1.512244935	-0.004576000	-15
2440058.5	+1.707316553	-0.001818030	-24	2440118.5	+1.507650809	-0.004612237	-15
2440059.5	+1.705470037	-0.001874995	-24	2440119.5	+1.503020487	-0.004648394	-15
2440060.5	+1.703566584	-0.001931897	-24	2440120.5	+1.498354047	-0.004684473	-15
2440061.5	+1.701606275	-0.001988704	-24	2440121.5	+1.493651572	-0.004720459	-15
2440062.5	+1.699589216	-0.002045390	-24	2440122.5	+1.488913172	-0.004756315	-15
2440063.5	+1.697515551	-0.002101909	-24	2440123.5	+1.484139005	-0.004791982	-15
2440064.5	+1.695385471	-0.002158209	-24	2440124.5	+1.479329296	-0.004827386	-15
2440065.5	+1.693199226	-0.002214232	-24	2440125.5	+1.474484351	-0.004862438	-15
2440066.5	+1.690957122	-0.002269912	-23	2440126.5	+1.469604566	-0.004897054	-15
2440067.5	+1.688659538	-0.002325184	-23	2440127.5	+1.464690411	-0.004931166	-14
2440068.5	+1.686306911	-0.002379984	-23	2440128.5	+1.459742421	-0.004964718	-14
2440069.5	+1.683899749	-0.002434247	-23	2440129.5	+1.454761172	-0.004997678	-14
2440070.5	+1.681438615	-0.002487916	-23	2440130.5	+1.449747266	-0.005030034	-14
2440071.5	+1.678924126	-0.002540957	-22	2440131.5	+1.444701304	-0.005061790	-13
2440072.5	+1.676356918	-0.002593349	-22	2440132.5	+1.439623878	-0.005092971	-13
2440073.5	+1.673737647	-0.002645086	-22	2440133.5	+1.434515542	-0.005123612	-13
2440074.5	+1.671066955	-0.002696198	-21	2440134.5	+1.429376821	-0.005153754	-13
2440075.5	+1.668345442	-0.002746737	-21	2440135.5	+1.424208183	-0.005183451	-12
2440076.5	+1.665573650	-0.002796769	-21	2440136.5	+1.419010049	-0.005212756	-12
2440077.5	+1.662752046	-0.002846375	-21	2440137.5	+1.413782783	-0.005241723	-12
2440078.5	+1.659881015	-0.002895635	-21	2440138.5	+1.408526698	-0.005270403	-12
2440079.5	+1.656960870	-0.002944613	-21	2440139.5	+1.403242058	-0.005298839	-12
2440080.5	+1.653991866	-0.002993358	-21	2440140.5	+1.397929087	-0.005327073	-12
2440081.5	+1.650974218	-0.003041909	-20	2440141.5	+1.392587967	-0.005355141	-12
2440082.5	+1.647908105	-0.003090290	-20	2440142.5	+1.387218849	-0.005383076	-12
2440083.5	+1.644793692	-0.003138509	-20	2440143.5	+1.381821849	-0.005410909	-12
2440084.5	+1.641631140	-0.003186569	-20	2440144.5	+1.376397054	-0.005438674	-12
2440085.5	+1.638420606	-0.003234474	-20	2440145.5	+1.370944512	-0.005466405	-12
2440086.5	+1.635162243	-0.003282226	-20	2440146.5	+1.365464244	-0.005494137	-12
2440087.5	+1.631856206	-0.003329823	-20	2440147.5	+1.359956224	-0.005521910	-12
2440088.5	+1.628502648	-0.003377267	-20	2440148.5	+1.354420401	-0.005549753	-12
2440089.5	+1.625101724	-0.003424553	-20	2440149.5	+1.348856687	-0.005577691	-12
2440090.5	+1.621653598	-0.003471669	-20	2440150.5	+1.343264988	-0.005605722	-12
2440091.5	+1.618158448	-0.003518599	-20	2440151.5	+1.337645221	-0.005633820	-12
2440092.5	+1.614616471	-0.003565315	-20	2440152.5	+1.331997344	-0.005661929	-12
2440093.5	+1.611027905	-0.003611768	-20	2440153.5	+1.326321387	-0.005689963	-12
2440094.5	+1.607393041	-0.003657901	-19	2440154.5	+1.320617474	-0.005717827	-12
2440095.5	+1.603712234	-0.003703641	-19	2440155.5	+1.314885822	-0.005745423	-12
2440096.5	+1.599985914	-0.003748915	-19	2440156.5	+1.309126746	-0.005772665	-11
2440097.5	+1.596214583	-0.003793651	-19	2440157.5	+1.303340628	-0.005799500	-11
2440098.5	+1.592398813	-0.003837782	-18	2440158.5	+1.297527895	-0.005825890	-11
2440099.5	+1.588539238	-0.003881256	-18	2440159.5	+1.291689002	-0.005851821	-11
2440100.5	+1.584636534	-0.003924033	-18	2440160.5	+1.285824407	-0.005877292	-11
2440101.5	+1.580691409	-0.003966100	-18	2440161.5	+1.279934566	-0.005902318	-10
2440102.5	+1.576704568	-0.004007466	-17	2440162.5	+1.274019911	-0.005926923	-10
2440103.5	+1.572676703	-0.004048153	-17	2440163.5	+1.268080850	-0.005951137	-10
2440104.5	+1.568608475	-0.004088203	-17	2440164.5	+1.262117758	-0.005974989	-10
2440105.5	+1.564500489	-0.004127678	-17	2440165.5	+1.256130979	-0.005998520	-10
2440106.5	+1.560353289	-0.004166643	-16	2440166.5	+1.250120812	-0.006021768	-10
2440107.5	+1.556167350	-0.004205167	-16	2440167.5	+1.244087526	-0.006044767	-10
2440108.5	+1.551943082	-0.004243312	-16	2440168.5	+1.238031345	-0.006067567	-10
2440109.5	+1.547680835	-0.004281132	-16	2440169.5	+1.231952450	-0.006090195	-10
2440110.5	+1.543380911	-0.004318674	-16	2440170.5	+1.225851001	-0.006112687	-9

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440171.5	+1.219727108	-0.006135084	-9	2440231.5	+0.814235239	-0.007273679	-5
2440172.5	+1.213580852	-0.006157422	-9	2440232.5	+0.806956008	-0.007284738	-5
2440173.5	+1.207412271	-0.006179737	-9	2440233.5	+0.799665845	-0.007295552	-5
2440174.5	+1.201221372	-0.006202070	-9	2440234.5	+0.792364968	-0.007306174	-4
2440175.5	+1.195008109	-0.006224470	-9	2440235.5	+0.785053543	-0.007316658	-4
2440176.5	+1.188772395	-0.006246982	-10	2440236.5	+0.777731684	-0.007327047	-4
2440177.5	+1.182514090	-0.006269659	-10	2440237.5	+0.770399474	-0.007337362	-4
2440178.5	+1.176233011	-0.006292535	-10	2440238.5	+0.763056988	-0.007347594	-4
2440179.5	+1.169928947	-0.006315630	-10	2440239.5	+0.755704328	-0.007357699	-4
2440180.5	+1.163601683	-0.006338928	-10	2440240.5	+0.748341662	-0.007367588	-4
2440181.5	+1.157251041	-0.006362377	-10	2440241.5	+0.740969261	-0.007377149	-4
2440182.5	+1.150876907	-0.006385893	-10	2440242.5	+0.733587513	-0.007386262	-4
2440183.5	+1.144479269	-0.006409366	-10	2440243.5	+0.726196925	-0.007394810	-4
2440184.5	+1.138058226	-0.006432687	-10	2440244.5	+0.718798114	-0.007402694	-3
2440185.5	+1.131613977	-0.006455764	-10	2440245.5	+0.711391786	-0.007409832	-3
2440186.5	+1.125146802	-0.006478530	-10	2440246.5	+0.703978719	-0.007416163	-3
2440187.5	+1.118657036	-0.006500941	-9	2440247.5	+0.696559748	-0.007421632	-2
2440188.5	+1.112145047	-0.006522973	-9	2440248.5	+0.689135759	-0.007426191	-2
2440189.5	+1.105611219	-0.006544621	-9	2440249.5	+0.681707683	-0.007429800	-1
2440190.5	+1.099055934	-0.006565883	-9	2440250.5	+0.674276490	-0.007432416	-1
2440191.5	+1.092479580	-0.006586766	-9	2440251.5	+0.666843195	-0.007433999	0
2440192.5	+1.085882522	-0.006607290	-9	2440252.5	+0.659408852	-0.007434503	0
2440193.5	+1.079265115	-0.006627468	-8	2440253.5	+0.651974561	-0.007433893	+1
2440194.5	+1.072627696	-0.006647315	-8	2440254.5	+0.644541448	-0.007432137	+1
2440195.5	+1.065970586	-0.006666858	-8	2440255.5	+0.637110682	-0.007429196	+2
2440196.5	+1.059294073	-0.006686122	-8	2440256.5	+0.629683457	-0.007425053	+2
2440197.5	+1.052598428	-0.006705128	-8	2440257.5	+0.622260982	-0.007419694	+3
2440198.5	+1.045883890	-0.006723915	-8	2440258.5	+0.614844478	-0.007413110	+3
2440199.5	+1.039150663	-0.006742508	-8	2440259.5	+0.607435171	-0.007405301	+4
2440200.5	+1.032398927	-0.006760941	-8	2440260.5	+0.600034281	-0.007396277	+4
2440201.5	+1.025628822	-0.006779252	-8	2440261.5	+0.592643019	-0.007386046	+5
2440202.5	+1.018840450	-0.006797481	-8	2440262.5	+0.585262588	-0.007374619	+5
2440203.5	+1.012033872	-0.006815672	-8	2440263.5	+0.577894174	-0.007362012	+6
2440204.5	+1.005209101	-0.006833876	-8	2440264.5	+0.570538959	-0.007348219	+6
2440205.5	+0.998366097	-0.006852149	-8	2440265.5	+0.563198134	-0.007333230	+7
2440206.5	+0.991504762	-0.006870545	-8	2440266.5	+0.555872911	-0.007317004	+7
2440207.5	+0.984624948	-0.006889116	-8	2440267.5	+0.548564562	-0.007299467	+8
2440208.5	+0.977726462	-0.006907889	-8	2440268.5	+0.541274451	-0.007280507	+8
2440209.5	+0.970809103	-0.006926860	-8	2440269.5	+0.534004073	-0.007259972	+9
2440210.5	+0.963872691	-0.006945983	-8	2440270.5	+0.526755090	-0.007237687	+10
2440211.5	+0.956917114	-0.006965175	-8	2440271.5	+0.519529346	-0.007213461	+11
2440212.5	+0.949942354	-0.006984328	-8	2440272.5	+0.512328880	-0.007187100	+12
2440213.5	+0.942948509	-0.007003327	-8	2440273.5	+0.505155922	-0.007158413	+13
2440214.5	+0.935935785	-0.007022072	-8	2440274.5	+0.498012888	-0.007127225	+14
2440215.5	+0.928904478	-0.007040479	-8	2440275.5	+0.490902364	-0.007093360	+15
2440216.5	+0.921854956	-0.007058498	-8	2440276.5	+0.483827117	-0.007056647	+16
2440217.5	+0.914787624	-0.007076091	-7	2440277.5	+0.476790075	-0.007016918	+18
2440218.5	+0.907702925	-0.007093231	-7	2440278.5	+0.469794344	-0.006973998	+19
2440219.5	+0.900601317	-0.007109907	-7	2440279.5	+0.462843203	-0.006927706	+20
2440220.5	+0.893483268	-0.007126112	-7	2440280.5	+0.455940118	-0.006877855	+22
2440221.5	+0.886349253	-0.007141837	-7	2440281.5	+0.449088745	-0.006824249	+24
2440222.5	+0.879199756	-0.007157078	-6	2440282.5	+0.442292937	-0.006766694	+25
2440223.5	+0.872035258	-0.007171837	-6	2440283.5	+0.435556741	-0.006704987	+27
2440224.5	+0.864856243	-0.007186114	-6	2440284.5	+0.428884413	-0.006638928	+29
2440225.5	+0.857663189	-0.007199915	-6	2440285.5	+0.422280397	-0.006568332	+31
2440226.5	+0.850456569	-0.007213249	-6	2440286.5	+0.415749323	-0.006493015	+33
2440227.5	+0.843236841	-0.007226135	-5	2440287.5	+0.409296000	-0.006412799	+35
2440228.5	+0.836004441	-0.007238594	-5	2440288.5	+0.402925411	-0.006327524	+37
2440229.5	+0.828759788	-0.007250648	-5	2440289.5	+0.396642693	-0.006237025	+40
2440230.5	+0.821503269	-0.007262330	-5	2440290.5	+0.390453160	-0.006141129	+42

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440291.5	+0.384362291	-0.006039663	+44	2440351.5	+0.407599152	+0.006671526	+41
2440292.5	+0.378375755	-0.005932431	+47	2440352.5	+0.414318217	+0.006765690	+39
2440293.5	+0.372499423	-0.005819215	+50	2440353.5	+0.421128757	+0.006854529	+37
2440294.5	+0.366739400	-0.005699775	+52	2440354.5	+0.428025606	+0.006938360	+35
2440295.5	+0.361102038	-0.005573841	+55	2440355.5	+0.435003910	+0.007017489	+33
2440296.5	+0.355593983	-0.005441111	+58	2440356.5	+0.442059112	+0.007092200	+31
2440297.5	+0.350222190	-0.005301259	+61	2440357.5	+0.449186924	+0.007162751	+29
2440298.5	+0.344993955	-0.005153938	+64	2440358.5	+0.456383310	+0.007229389	+28
2440299.5	+0.339916918	-0.004998805	+68	2440359.5	+0.463644472	+0.007292338	+26
2440300.5	+0.334999060	-0.004835530	+71	2440360.5	+0.470966824	+0.007351799	+25
2440301.5	+0.330248678	-0.004663798	+75	2440361.5	+0.478346970	+0.007407957	+23
2440302.5	+0.325674375	-0.004483334	+79	2440362.5	+0.485781696	+0.007460987	+22
2440303.5	+0.321284995	-0.004293918	+83	2440363.5	+0.493267952	+0.007511041	+21
2440304.5	+0.317089579	-0.004095383	+87	2440364.5	+0.500802834	+0.007558264	+20
2440305.5	+0.313097306	-0.003887619	+91	2440365.5	+0.508383581	+0.007602792	+18
2440306.5	+0.309317435	-0.003670574	+95	2440366.5	+0.516007559	+0.007644744	+17
2440307.5	+0.305759244	-0.003444272	+98	2440367.5	+0.523672246	+0.007684228	+16
2440308.5	+0.302431945	-0.003208811	+102	2440368.5	+0.531375222	+0.007721334	+15
2440309.5	+0.299344618	-0.002964363	+106	2440369.5	+0.539114143	+0.007756127	+14
2440310.5	+0.296506119	-0.002711219	+110	2440370.5	+0.546886719	+0.007788649	+13
2440311.5	+0.293924962	-0.002449732	+113	2440371.5	+0.554690689	+0.007818915	+12
2440312.5	+0.291609281	-0.002180369	+116	2440372.5	+0.562523794	+0.007846914	+11
2440313.5	+0.289566646	-0.001903744	+119	2440373.5	+0.570383756	+0.007872629	+10
2440314.5	+0.287803980	-0.001620559	+122	2440374.5	+0.578268288	+0.007896051	+10
2440315.5	+0.286327441	-0.001331639	+124	2440375.5	+0.586175100	+0.007917197	+9
2440316.5	+0.285142308	-0.001037904	+126	2440376.5	+0.594101944	+0.007936129	+8
2440317.5	+0.284252905	-0.000740353	+128	2440377.5	+0.602046647	+0.007952930	+7
2440318.5	+0.283662525	-0.000440033	+128	2440378.5	+0.610007132	+0.007967717	+6
2440319.5	+0.283373409	-0.000138003	+129	2440379.5	+0.617981455	+0.007980626	+5
2440320.5	+0.283386728	+0.000164652	+129	2440380.5	+0.625967803	+0.007991790	+4
2440321.5	+0.283702582	+0.000466914	+129	2440381.5	+0.633964496	+0.008001335	+4
2440322.5	+0.284320096	+0.000767799	+128	2440382.5	+0.641969972	+0.008009377	+3
2440323.5	+0.285237400	+0.001066345	+127	2440383.5	+0.649982787	+0.008016030	+3
2440324.5	+0.286451713	+0.001361673	+125	2440384.5	+0.658001602	+0.008021392	+2
2440325.5	+0.287959401	+0.001652967	+123	2440385.5	+0.666025171	+0.008025554	+2
2440326.5	+0.289756053	+0.001939481	+121	2440386.5	+0.674052336	+0.008028595	+1
2440327.5	+0.291836545	+0.002220543	+119	2440387.5	+0.682082013	+0.008030590	+1
2440328.5	+0.294195120	+0.002495551	+116	2440388.5	+0.690113191	+0.008031608	0
2440329.5	+0.296825451	+0.002763974	+113	2440389.5	+0.698144922	+0.008031705	0
2440330.5	+0.299720713	+0.003025335	+110	2440390.5	+0.706176311	+0.008030931	-1
2440331.5	+0.302873637	+0.003279248	+107	2440391.5	+0.714206510	+0.008029334	-1
2440332.5	+0.306276621	+0.003525399	+103	2440392.5	+0.722234717	+0.008026952	-1
2440333.5	+0.309921757	+0.003763516	+100	2440393.5	+0.730260164	+0.008023819	-1
2440334.5	+0.313800910	+0.003993407	+96	2440394.5	+0.738282116	+0.008019968	-2
2440335.5	+0.317905787	+0.004214950	+93	2440395.5	+0.746299868	+0.008015422	-2
2440336.5	+0.322228005	+0.004428079	+89	2440396.5	+0.754312731	+0.008010190	-2
2440337.5	+0.326759135	+0.004632780	+86	2440397.5	+0.762320022	+0.008004278	-3
2440338.5	+0.331490768	+0.004829090	+82	2440398.5	+0.770321055	+0.007997668	-3
2440339.5	+0.336414542	+0.005017081	+78	2440399.5	+0.778315111	+0.007990315	-3
2440340.5	+0.341522185	+0.005196839	+75	2440400.5	+0.786301415	+0.007982151	-4
2440341.5	+0.346805513	+0.005368478	+71	2440401.5	+0.794279117	+0.007973099	-4
2440342.5	+0.352256476	+0.005532123	+68	2440402.5	+0.802247285	+0.007963062	-5
2440343.5	+0.357867130	+0.005687882	+65	2440403.5	+0.810204888	+0.007951966	-5
2440344.5	+0.363629654	+0.005835884	+61	2440404.5	+0.818150850	+0.007939772	-5
2440345.5	+0.369536360	+0.005976275	+58	2440405.5	+0.826084064	+0.007926476	-6
2440346.5	+0.375579725	+0.006109231	+55	2440406.5	+0.834003447	+0.007912115	-6
2440347.5	+0.381752417	+0.006234973	+52	2440407.5	+0.841907960	+0.007896750	-7
2440348.5	+0.388047354	+0.006353764	+49	2440408.5	+0.849796639	+0.007880459	-7
2440349.5	+0.394457727	+0.006465903	+46	2440409.5	+0.857668595	+0.007863317	-7
2440350.5	+0.400977049	+0.006571712	+44	2440410.5	+0.865523014	+0.007845399	-8

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440411.5	+0.873359156	+0.007826771	-8	2440471.5	+1.294045786	+0.005982770	-18
2440412.5	+0.881176339	+0.007807493	-8	2440472.5	+1.300007990	+0.005941595	-18
2440413.5	+0.888973943	+0.007787619	-9	2440473.5	+1.305928894	+0.005900176	-18
2440414.5	+0.896751396	+0.007767201	-9	2440474.5	+1.311808274	+0.005858554	-18
2440415.5	+0.904508179	+0.007746287	-9	2440475.5	+1.317645949	+0.005816774	-18
2440416.5	+0.912243818	+0.007724918	-9	2440476.5	+1.323441785	+0.005774884	-18
2440417.5	+0.919957878	+0.007703138	-9	2440477.5	+1.329195698	+0.005732938	-18
2440418.5	+0.927649970	+0.007680985	-10	2440478.5	+1.334907661	+0.005690991	-18
2440419.5	+0.935319736	+0.007658495	-10	2440479.5	+1.340577695	+0.005649090	-18
2440420.5	+0.942966860	+0.007635704	-10	2440480.5	+1.346205872	+0.005607283	-18
2440421.5	+0.950591051	+0.007612633	-10	2440481.5	+1.351792304	+0.005565605	-18
2440422.5	+0.958192043	+0.007589311	-10	2440482.5	+1.357337132	+0.005524076	-18
2440423.5	+0.965769596	+0.007565756	-10	2440483.5	+1.362840508	+0.005482703	-18
2440424.5	+0.973323482	+0.007541980	-10	2440484.5	+1.368302587	+0.005441477	-18
2440425.5	+0.980853484	+0.007517987	-10	2440485.5	+1.373723499	+0.005400363	-18
2440426.5	+0.988359381	+0.007493767	-10	2440486.5	+1.379103334	+0.005359313	-18
2440427.5	+0.995840931	+0.007469285	-11	2440487.5	+1.384442122	+0.005318254	-18
2440428.5	+1.003297847	+0.007444491	-11	2440488.5	+1.389739811	+0.005277103	-18
2440429.5	+1.010729782	+0.007419305	-11	2440489.5	+1.394996270	+0.005235777	-18
2440430.5	+1.018136293	+0.007393627	-11	2440490.5	+1.400211280	+0.005194194	-18
2440431.5	+1.025516839	+0.007367358	-11	2440491.5	+1.405384553	+0.005152295	-18
2440432.5	+1.032870782	+0.007340409	-12	2440492.5	+1.410515751	+0.005110040	-18
2440433.5	+1.040197410	+0.007312720	-12	2440493.5	+1.415604509	+0.005067414	-18
2440434.5	+1.047495969	+0.007284274	-12	2440494.5	+1.420650456	+0.005024418	-18
2440435.5	+1.054765710	+0.007255086	-13	2440495.5	+1.425653227	+0.004981066	-19
2440436.5	+1.062005907	+0.007225196	-13	2440496.5	+1.430612478	+0.004937383	-19
2440437.5	+1.069215884	+0.007194654	-13	2440497.5	+1.435527890	+0.004893390	-19
2440438.5	+1.076395017	+0.007163519	-13	2440498.5	+1.440399163	+0.004849111	-19
2440439.5	+1.083542742	+0.007131843	-14	2440499.5	+1.445226026	+0.004804572	-19
2440440.5	+1.090658541	+0.007099679	-14	2440500.5	+1.450008229	+0.004759797	-19
2440441.5	+1.097741952	+0.007067071	-14	2440501.5	+1.454745551	+0.004714814	-19
2440442.5	+1.104792548	+0.007034056	-14	2440502.5	+1.459437795	+0.004669646	-19
2440443.5	+1.111809943	+0.007000678	-14	2440503.5	+1.464084795	+0.004624335	-19
2440444.5	+1.118793797	+0.006966979	-14	2440504.5	+1.468686433	+0.004578929	-19
2440445.5	+1.125743807	+0.006932998	-15	2440505.5	+1.473242638	+0.004533478	-19
2440446.5	+1.132659712	+0.006898776	-15	2440506.5	+1.477753396	+0.004488050	-19
2440447.5	+1.139541292	+0.006864354	-15	2440507.5	+1.482218769	+0.004442715	-19
2440448.5	+1.146388368	+0.006829777	-15	2440508.5	+1.486638878	+0.004397536	-19
2440449.5	+1.153200807	+0.006795082	-15	2440509.5	+1.491013915	+0.004352579	-19
2440450.5	+1.159978506	+0.006760308	-15	2440510.5	+1.495344125	+0.004307889	-19
2440451.5	+1.166721407	+0.006725487	-15	2440511.5	+1.499629791	+0.004263494	-19
2440452.5	+1.173429470	+0.006690637	-15	2440512.5	+1.503871213	+0.004219400	-19
2440453.5	+1.180102679	+0.006655782	-15	2440513.5	+1.508068689	+0.004175598	-19
2440454.5	+1.186741033	+0.006620923	-15	2440514.5	+1.512222496	+0.004132055	-19
2440455.5	+1.193344521	+0.006586049	-15	2440515.5	+1.516332869	+0.004088723	-18
2440456.5	+1.199913117	+0.006551131	-15	2440516.5	+1.520399992	+0.004045541	-18
2440457.5	+1.206446748	+0.006516109	-15	2440517.5	+1.524423978	+0.004002439	-18
2440458.5	+1.212945275	+0.006480909	-15	2440518.5	+1.528404874	+0.003959348	-18
2440459.5	+1.219408475	+0.006445438	-15	2440519.5	+1.532342654	+0.003916197	-18
2440460.5	+1.225836026	+0.006409594	-15	2440520.5	+1.536237231	+0.003872936	-18
2440461.5	+1.232227509	+0.006373290	-16	2440521.5	+1.540088474	+0.003829521	-19
2440462.5	+1.238582433	+0.006336469	-16	2440522.5	+1.543896211	+0.003785921	-19
2440463.5	+1.244900263	+0.006299095	-16	2440523.5	+1.547660250	+0.003742125	-19
2440464.5	+1.251180438	+0.006261166	-16	2440524.5	+1.551380394	+0.003698129	-19
2440465.5	+1.257422417	+0.006222705	-17	2440525.5	+1.555056443	+0.003653938	-19
2440466.5	+1.263625680	+0.006183741	-17	2440526.5	+1.558688207	+0.003609558	-19
2440467.5	+1.269789746	+0.006144318	-17	2440527.5	+1.562275499	+0.003564997	-19
2440468.5	+1.275914175	+0.006104473	-17	2440528.5	+1.565818145	+0.003520267	-19
2440469.5	+1.281998564	+0.006064243	-17	2440529.5	+1.569315979	+0.003475375	-19
2440470.5	+1.288042544	+0.006023663	-17	2440530.5	+1.572768846	+0.003430337	-19

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440531.5	+1.576176610	+0.003385169	-19	2440591.5	+1.702559927	+0.000885922	-17
2440532.5	+1.579539147	+0.003339891	-19	2440592.5	+1.703425545	+0.000845284	-18
2440533.5	+1.582856370	+0.003294548	-19	2440593.5	+1.704250448	+0.000804505	-18
2440534.5	+1.586128239	+0.003249194	-19	2440594.5	+1.705034538	+0.000763674	-18
2440535.5	+1.589354779	+0.003203902	-19	2440595.5	+1.705777815	+0.000722900	-18
2440536.5	+1.592536090	+0.003158749	-19	2440596.5	+1.706480390	+0.000682283	-17
2440537.5	+1.595672354	+0.003113826	-19	2440597.5	+1.707142464	+0.000641914	-17
2440538.5	+1.598763845	+0.003069210	-19	2440598.5	+1.707764320	+0.000601849	-17
2440539.5	+1.601810896	+0.003024958	-19	2440599.5	+1.708346270	+0.000562105	-17
2440540.5	+1.604813897	+0.002981112	-19	2440600.5	+1.708888635	+0.000522675	-17
2440541.5	+1.607773256	+0.002937672	-18	2440601.5	+1.709391717	+0.000483536	-17
2440542.5	+1.610689373	+0.002894627	-18	2440602.5	+1.709855792	+0.000444653	-17
2440543.5	+1.613562633	+0.002851950	-18	2440603.5	+1.710281095	+0.000405984	-17
2440544.5	+1.616393378	+0.002809589	-18	2440604.5	+1.710667820	+0.000367493	-17
2440545.5	+1.619181899	+0.002767493	-18	2440605.5	+1.711016126	+0.000329136	-17
2440546.5	+1.621928435	+0.002725609	-18	2440606.5	+1.711326124	+0.000290874	-16
2440547.5	+1.624633167	+0.002683875	-18	2440607.5	+1.711597893	+0.000252667	-16
2440548.5	+1.627296216	+0.002642234	-18	2440608.5	+1.711831465	+0.000214479	-16
2440549.5	+1.629917651	+0.002600639	-18	2440609.5	+1.712026843	+0.000176267	-16
2440550.5	+1.632497496	+0.002559049	-18	2440610.5	+1.712183976	+0.000137987	-17
2440551.5	+1.635035737	+0.002517423	-18	2440611.5	+1.712302784	+0.000099608	-17
2440552.5	+1.637532322	+0.002475736	-18	2440612.5	+1.712383144	+0.000061085	-17
2440553.5	+1.639987182	+0.002433970	-18	2440613.5	+1.712424894	+0.000022381	-17
2440554.5	+1.642400230	+0.002392109	-18	2440614.5	+1.712427833	-0.000016541	-17
2440555.5	+1.644771365	+0.002350145	-18	2440615.5	+1.712391727	-0.000055719	-17
2440556.5	+1.647100482	+0.002308069	-18	2440616.5	+1.712316296	-0.000095196	-17
2440557.5	+1.649387462	+0.002265871	-18	2440617.5	+1.712201224	-0.000135006	-17
2440558.5	+1.651632182	+0.002223547	-18	2440618.5	+1.712046160	-0.000175186	-17
2440559.5	+1.653834510	+0.002181087	-18	2440619.5	+1.711850719	-0.000215764	-18
2440560.5	+1.655994311	+0.002138495	-18	2440620.5	+1.711614495	-0.000256751	-18
2440561.5	+1.658111457	+0.002095776	-18	2440621.5	+1.711337086	-0.000298131	-18
2440562.5	+1.660185828	+0.002052952	-18	2440622.5	+1.711018116	-0.000339863	-18
2440563.5	+1.662217341	+0.002010070	-18	2440623.5	+1.710657270	-0.000381863	-18
2440564.5	+1.664205972	+0.001967201	-18	2440624.5	+1.710254335	-0.000424027	-18
2440565.5	+1.666151776	+0.001924432	-18	2440625.5	+1.709809197	-0.000466248	-18
2440566.5	+1.668054904	+0.001881866	-18	2440626.5	+1.709321852	-0.000508429	-18
2440567.5	+1.669915606	+0.001839595	-18	2440627.5	+1.708792373	-0.000550507	-18
2440568.5	+1.671734217	+0.001797694	-18	2440628.5	+1.708220885	-0.000592445	-18
2440569.5	+1.673511132	+0.001756205	-18	2440629.5	+1.707607531	-0.000634240	-18
2440570.5	+1.675246770	+0.001715144	-17	2440630.5	+1.706952451	-0.000675897	-18
2440571.5	+1.676941557	+0.001674495	-17	2440631.5	+1.706255775	-0.000717442	-18
2440572.5	+1.678595886	+0.001634225	-17	2440632.5	+1.705517594	-0.000758906	-18
2440573.5	+1.680210121	+0.001594297	-17	2440633.5	+1.704737981	-0.000800314	-18
2440574.5	+1.681784577	+0.001554661	-17	2440634.5	+1.703916975	-0.000841694	-18
2440575.5	+1.683319525	+0.001515272	-17	2440635.5	+1.703054593	-0.000883075	-18
2440576.5	+1.684815187	+0.001476080	-17	2440636.5	+1.702150815	-0.000924488	-18
2440577.5	+1.686271733	+0.001437033	-17	2440637.5	+1.701205598	-0.000965960	-18
2440578.5	+1.687689289	+0.001398093	-17	2440638.5	+1.700218863	-0.001007529	-18
2440579.5	+1.689067939	+0.001359213	-17	2440639.5	+1.699190497	-0.001049229	-18
2440580.5	+1.690407721	+0.001320352	-17	2440640.5	+1.698120349	-0.001091099	-18
2440581.5	+1.691708638	+0.001281477	-17	2440641.5	+1.697008228	-0.001133184	-18
2440582.5	+1.692970660	+0.001242556	-17	2440642.5	+1.695853894	-0.001175530	-18
2440583.5	+1.694193725	+0.001203559	-17	2440643.5	+1.694657066	-0.001218183	-18
2440584.5	+1.695377744	+0.001164460	-17	2440644.5	+1.693417410	-0.001261190	-19
2440585.5	+1.696522603	+0.001125235	-17	2440645.5	+1.692134553	-0.001304598	-19
2440586.5	+1.697628163	+0.001085857	-17	2440646.5	+1.690808065	-0.001348455	-19
2440587.5	+1.698694258	+0.001046302	-17	2440647.5	+1.689437480	-0.001392800	-19
2440588.5	+1.699720701	+0.001006548	-17	2440648.5	+1.688022288	-0.001437674	-19
2440589.5	+1.700707280	+0.000966572	-17	2440649.5	+1.686561951	-0.001483091	-20
2440590.5	+1.701653767	+0.000926362	-17	2440650.5	+1.685055928	-0.001529042	-20

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$	J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440651.5	+1.683503701	-0.001575491	-20	2440711.5	+1.500037223	-0.004610944	-23
2440652.5	+1.681904802	-0.001622372	-20	2440712.5	+1.495399464	-0.004664572	-23
2440653.5	+1.680258845	-0.001669590	-20	2440713.5	+1.490708095	-0.004718151	-23
2440654.5	+1.678565546	-0.001717038	-20	2440714.5	+1.485963203	-0.004771606	-23
2440655.5	+1.676824725	-0.001764619	-21	2440715.5	+1.481164946	-0.004824871	-23
2440656.5	+1.675036288	-0.001812262	-21	2440716.5	+1.476313543	-0.004877891	-23
2440657.5	+1.673200197	-0.001859917	-21	2440717.5	+1.471409259	-0.004930626	-23
2440658.5	+1.671316461	-0.001907553	-21	2440718.5	+1.466452398	-0.004983039	-23
2440659.5	+1.669385100	-0.001955164	-21	2440719.5	+1.461443299	-0.005035097	-22
2440660.5	+1.667406141	-0.002002750	-21	2440720.5	+1.456382330	-0.005086775	-22
2440661.5	+1.665379604	-0.002050323	-21	2440721.5	+1.451269884	-0.005138046	-22
2440662.5	+1.663305496	-0.002097893	-21	2440722.5	+1.446106384	-0.005188879	-22
2440663.5	+1.661183816	-0.002145468	-21	2440723.5	+1.440892280	-0.005239251	-22
2440664.5	+1.659014554	-0.002193060	-21	2440724.5	+1.435628045	-0.005289136	-21
2440665.5	+1.656797686	-0.002240682	-21	2440725.5	+1.430314177	-0.005338516	-21
2440666.5	+1.654533176	-0.002288348	-21	2440726.5	+1.424951183	-0.005387387	-21
2440667.5	+1.652220969	-0.002336079	-21	2440727.5	+1.419539570	-0.005435758	-21
2440668.5	+1.649860988	-0.002383899	-21	2440728.5	+1.414079824	-0.005483660	-21
2440669.5	+1.647453131	-0.002431840	-21	2440729.5	+1.408572391	-0.005531140	-20
2440670.5	+1.644997254	-0.002479945	-21	2440730.5	+1.403017661	-0.005578269	-20
2440671.5	+1.642493172	-0.002528258	-21	2440731.5	+1.397415944	-0.005625124	-20
2440672.5	+1.639940651	-0.002576832	-21	2440732.5	+1.391767481	-0.005671774	-20
2440673.5	+1.637339404	-0.002625719	-21	2440733.5	+1.386072442	-0.005718288	-20
2440674.5	+1.634689091	-0.002674972	-21	2440734.5	+1.380330934	-0.005764716	-20
2440675.5	+1.631989320	-0.002724644	-22	2440735.5	+1.374543028	-0.005811089	-20
2440676.5	+1.629239649	-0.002774776	-22	2440736.5	+1.368708771	-0.005857417	-20
2440677.5	+1.626439602	-0.002825404	-22	2440737.5	+1.362828211	-0.005903694	-20
2440678.5	+1.623588671	-0.002876541	-22	2440738.5	+1.356901409	-0.005949893	-20
2440679.5	+1.620686353	-0.002928179	-22	2440739.5	+1.350928465	-0.005995974	-20
2440680.5	+1.617732157	-0.002980285	-23	2440740.5	+1.344909518	-0.006041886	-20
2440681.5	+1.614725647	-0.003032797	-23	2440741.5	+1.338844770	-0.006087568	-20
2440682.5	+1.611666454	-0.003085635	-23	2440742.5	+1.332734477	-0.006132964	-19
2440683.5	+1.608554301	-0.003138702	-23	2440743.5	+1.326578959	-0.006178008	-19
2440684.5	+1.605389005	-0.003191906	-23	2440744.5	+1.320378595	-0.006222648	-19
2440685.5	+1.602170468	-0.003245173	-23	2440745.5	+1.314133814	-0.006266833	-19
2440686.5	+1.598898661	-0.003298436	-23	2440746.5	+1.307845096	-0.006310516	-19
2440687.5	+1.595573612	-0.003351652	-23	2440747.5	+1.301512961	-0.006353660	-18
2440688.5	+1.592195383	-0.003404791	-23	2440748.5	+1.295137967	-0.006396230	-18
2440689.5	+1.588764063	-0.003457831	-23	2440749.5	+1.288720705	-0.006438188	-18
2440690.5	+1.585279758	-0.003510760	-23	2440750.5	+1.282261806	-0.006479499	-18
2440691.5	+1.581742584	-0.003563566	-23	2440751.5	+1.275761933	-0.006520130	-17
2440692.5	+1.578152670	-0.003616239	-23	2440752.5	+1.269221786	-0.006560041	-17
2440693.5	+1.574510154	-0.003668767	-23	2440753.5	+1.262642104	-0.006599194	-17
2440694.5	+1.570815187	-0.003721143	-23	2440754.5	+1.256023662	-0.006637557	-16
2440695.5	+1.567067919	-0.003773365	-22	2440755.5	+1.249367259	-0.006675114	-16
2440696.5	+1.563268510	-0.003825428	-22	2440756.5	+1.242673702	-0.006711866	-16
2440697.5	+1.559417113	-0.003877342	-22	2440757.5	+1.235943786	-0.006747840	-15
2440698.5	+1.555513868	-0.003929131	-22	2440758.5	+1.229178262	-0.006783096	-15
2440699.5	+1.551558881	-0.003980831	-22	2440759.5	+1.222377807	-0.006817715	-15
2440700.5	+1.547552223	-0.004032482	-22	2440760.5	+1.215543014	-0.006851790	-15
2440701.5	+1.543493914	-0.004084143	-22	2440761.5	+1.208674377	-0.006885417	-14
2440702.5	+1.539383912	-0.004135878	-22	2440762.5	+1.201772303	-0.006918674	-14
2440703.5	+1.535222115	-0.004187743	-22	2440763.5	+1.194837132	-0.006951621	-14
2440704.5	+1.531008364	-0.004239796	-22	2440764.5	+1.187869151	-0.006984296	-14
2440705.5	+1.526742445	-0.004292082	-23	2440765.5	+1.180868626	-0.007016713	-14
2440706.5	+1.522424112	-0.004344630	-23	2440766.5	+1.173835810	-0.007048875	-14
2440707.5	+1.518053093	-0.004397452	-23	2440767.5	+1.166770967	-0.007080762	-14
2440708.5	+1.513629121	-0.004450535	-23	2440768.5	+1.159674383	-0.007112357	-14
2440709.5	+1.509151945	-0.004503850	-23	2440769.5	+1.152546362	-0.007143626	-13
2440710.5	+1.504621361	-0.004557343	-23	2440770.5	+1.145387253	-0.007174529	-13

J.D.	ρ	$\dot{\rho}$	$\alpha\dot{\rho}$
2440771.5	+1.138197439	-0.007205027	-13
2440772.5	+1.130977346	-0.007235083	-13
2440773.5	+1.123727436	-0.007264651	-13
2440774.5	+1.116448220	-0.007293689	-12
2440775.5	+1.109140245	-0.007322165	-12
2440776.5	+1.101804090	-0.007350040	-12
2440777.5	+1.094440377	-0.007377277	-12
2440778.5	+1.087049760	-0.007403842	-11
2440779.5	+1.079632929	-0.007429698	-11
2440780.5	+1.072190617	-0.007454796	-11
2440781.5	+1.064723603	-0.007479096	-10
2440782.5	+1.057232706	-0.007502553	-10
2440783.5	+1.049718793	-0.007525121	-10
2440784.5	+1.042182772	-0.007546766	-9
2440785.5	+1.034625572	-0.007567480	-9
2440786.5	+1.027048113	-0.007587292	-8
2440787.5	+1.019451269	-0.007606262	-8
2440788.5	+1.011835841	-0.007624477	-8
2440789.5	+1.004202529	-0.007642052	-7
2440790.5	+0.996551917	-0.007659089	-7
2440791.5	+0.988884502	-0.007675674	-7
2440792.5	+0.981200695	-0.007691880	-7
2440793.5	+0.973500856	-0.007707745	-7
2440794.5	+0.965785313	-0.007723287	-7
2440795.5	+0.958054387	-0.007738515	-6
2440796.5	+0.950308387	-0.007753430	-6
2440797.5	+0.942547639	-0.007768009	-6
2440798.5	+0.934772485	-0.007782241	-6
2440799.5	+0.926983279	-0.007796106	-6
2440800.5	+0.919180406	-0.007809571	-6
2440801.5	+0.911364279	-0.007822611	-6
2440802.5	+0.903535335	-0.007835197	-5
2440803.5	+0.895694050	-0.007847289	-5
2440804.5	+0.887840933	-0.007858854	-5
2440805.5	+0.879976530	-0.007869855	-5
2440806.5	+0.872101424	-0.007880253	-4
2440807.5	+0.864216239	-0.007890006	-4
2440808.5	+0.856321644	-0.007899063	-4
2440809.5	+0.848418362	-0.007907373	-3
2440810.5	+0.840507167	-0.007914876	-3
2440811.5	+0.832588900	-0.007921509	-3
2440812.5	+0.824664461	-0.007927208	-2
2440813.5	+0.816734813	-0.007931922	-2
2440814.5	+0.808800955	-0.007935625	-1
2440815.5	+0.800863896	-0.007938331	-1
2440816.5	+0.792924610	-0.007940087	-1
2440817.5	+0.784984009	-0.007940981	0
2440818.5	+0.777042900	-0.007941118	0
2440819.5	+0.769101994	-0.007940593	0
2440820.5	+0.761161907	-0.007939491	+1
2440821.5	+0.753223187	-0.007937865	+1
2440822.5	+0.745286340	-0.007935751	+1
2440823.5	+0.737351843	-0.007933162	+1
2440824.5	+0.729420175	-0.007930096	+1
2440825.5	+0.721491813	-0.007926544	+2
2440826.5	+0.713567256	-0.007922485	+2
2440827.5	+0.705647019	-0.007917897	+2
2440828.5	+0.697731649	-0.007912750	+2
2440829.5	+0.689821717	-0.007907011	+3
2440830.5	+0.681917836	-0.007900645	+3
2440831.5	+0.674020653	-0.007893601	+3
2440832.5	+0.666130877	-0.007885828	+4
2440833.5	+0.658249259	-0.007877270	+4
2440834.5	+0.650376621	-0.007867860	+4
2440835.5	+0.642513846	-0.007857529	+5
2440836.5	+0.634661898	-0.007846194	+5
2440837.5	+0.626821821	-0.007833772	+6
2440838.5	+0.618994750	-0.007820162	+6
2440839.5	+0.611181928	-0.007805259	+7
2440840.5	+0.603384699	-0.007788955	+7
2440841.5	+0.595604523	-0.007771135	+8
2440842.5	+0.587842969	-0.007751697	+9
2440843.5	+0.580101692	-0.007730571	+9
2440844.5	+0.572382404	-0.007707716	+10
2440845.5	+0.564686836	-0.007683134	+11
2440846.5	+0.557016701	-0.007656856	+12
2440847.5	+0.549373676	-0.007628923	+12
2440848.5	+0.541759393	-0.007599376	+13
2440849.5	+0.534175457	-0.007568229	+14
2440850.5	+0.526623470	-0.007535475	+14
2440851.5	+0.519105056	-0.007501074	+15
2440852.5	+0.511621892	-0.007464964	+16
2440853.5	+0.504175722	-0.007427071	+17
2440854.5	+0.496768374	-0.007387305	+18
2440855.5	+0.489401771	-0.007345561	+18
2440856.5	+0.482077949	-0.007301724	+19
2440857.5	+0.474799061	-0.007255672	+20
2440858.5	+0.467567388	-0.007207271	+21
2440859.5	+0.460385353	-0.007156367	+23
2440860.5	+0.453255544	-0.007102793	+24
2440861.5	+0.446180716	-0.007046371	+25
2440862.5	+0.439163820	-0.006986896	+26
2440863.5	+0.432208015	-0.006924149	+28
2440864.5	+0.425316692	-0.006857891	+29
2440865.5	+0.418493490	-0.006787863	+31
2440866.5	+0.411742314	-0.006713790	+33
2440867.5	+0.405067354	-0.006635383	+35
2440868.5	+0.398473093	-0.006552341	+37
2440869.5	+0.391964322	-0.006464351	+39
2440870.5	+0.385546143	-0.006371106	+41
2440871.5	+0.379223959	-0.006272317	+44
2440872.5	+0.373003446	-0.006167720	+46
2440873.5	+0.366890533	-0.006057081	+49
2440874.5	+0.360891362	-0.005940207	+52
2440875.5	+0.355012255	-0.005816924	+55
2440876.5	+0.349259704	-0.005687070	+57
2440877.5	+0.343640360	-0.005550479	+60
2440878.5	+0.338161053	-0.005406966	+63
2440879.5	+0.332828801	-0.005256332	+66
2440880.5	+0.327650831	-0.005098370	+70
2440881.5	+0.322634573	-0.004932871	+73
2440882.5	+0.317787670	-0.004759629	+76
2440883.5	+0.313117956	-0.004578464	+80
2440884.5	+0.308633437	-0.004389214	+83
2440885.5	+0.304342264	-0.004191757	+87
2440886.5	+0.300252688	-0.003986007	+90
2440887.5	+0.296373031	-0.003771917	+94
2440888.5	+0.292711632	-0.003549496	+98
2440889.5	+0.289276798	-0.003318801	+101
2440890.5	+0.286076750	-0.003079951	+105

J.D.	ρ	ρ̇	αρ̇	J.D.	ρ	ρ̇	αρ̇
2440891.5	+0.283119558	−0.002833120	+108	2440951.5	+0.515950496	+0.007360004	+12
2440892.5	+0.280413090	−0.002578552	+111	2440952.5	+0.523324519	+0.007387775	+12
2440893.5	+0.277964923	−0.002316580	+114	2440953.5	+0.530725525	+0.007413981	+11
2440894.5	+0.275782261	−0.002047616	+117	2440954.5	+0.538151982	+0.007438687	+10
2440895.5	+0.273871852	−0.001772170	+120	2440955.5	+0.545602411	+0.007461926	+10
2440896.5	+0.272239880	−0.001490850	+122	2440956.5	+0.553075351	+0.007483714	+9
2440897.5	+0.270891876	−0.001204360	+124	2440957.5	+0.560569357	+0.007504055	+9
2440898.5	+0.269832613	−0.000913514	+126	2440958.5	+0.568082976	+0.007522941	+8
2440899.5	+0.269065999	−0.000619215	+127	2440959.5	+0.575614753	+0.007540368	+7
2440900.5	+0.268594997	−0.000322475	+128	2440960.5	+0.583163227	+0.007556339	+7
2440901.5	+0.268421510	−0.000024354	+129	2440961.5	+0.590726945	+0.007570852	+6
2440902.5	+0.268546379	+0.000274036	+128	2440962.5	+0.598304447	+0.007583914	+5
2440903.5	+0.268969287	+0.000571539	+128	2440963.5	+0.605894298	+0.007595551	+5
2440904.5	+0.269688787	+0.000867032	+127	2440964.5	+0.613495082	+0.007605785	+4
2440905.5	+0.270702319	+0.001159429	+125	2440965.5	+0.621105412	+0.007614651	+4
2440906.5	+0.272006277	+0.001447723	+123	2440966.5	+0.628723943	+0.007622195	+3
2440907.5	+0.273596091	+0.001730998	+121	2440967.5	+0.636349376	+0.007628461	+2
2440908.5	+0.275466325	+0.002008434	+118	2440968.5	+0.643980455	+0.007633496	+2
2440909.5	+0.277610773	+0.002279317	+115	2440969.5	+0.651615973	+0.007637346	+1
2440910.5	+0.280022567	+0.002543027	+112	2440970.5	+0.659254771	+0.007640067	+1
2440911.5	+0.282694266	+0.002799058	+109	2440971.5	+0.666895745	+0.007641703	0
2440912.5	+0.285617986	+0.003047003	+105	2440972.5	+0.674537830	+0.007642298	0
2440913.5	+0.288785465	+0.003286531	+101	2440973.5	+0.682180016	+0.007641917	0
2440914.5	+0.292188166	+0.003517416	+98	2440974.5	+0.689821360	+0.007640623	−1
2440915.5	+0.295817369	+0.003739518	+94	2440975.5	+0.697460983	+0.007638492	−1
2440916.5	+0.299664255	+0.003952779	+90	2440976.5	+0.705098096	+0.007635619	−1
2440917.5	+0.303719988	+0.004157224	+86	2440977.5	+0.712732012	+0.007632118	−2
2440918.5	+0.307975795	+0.004352947	+83	2440978.5	+0.720362164	+0.007628111	−2
2440919.5	+0.312423028	+0.004540112	+79	2440979.5	+0.727988102	+0.007623706	−2
2440920.5	+0.317053234	+0.004718925	+75	2440980.5	+0.735609478	+0.007619006	−2
2440921.5	+0.321858178	+0.004889638	+72	2440981.5	+0.743226035	+0.007614069	−2
2440922.5	+0.326829901	+0.005052526	+69	2440982.5	+0.750837543	+0.007608913	−2
2440923.5	+0.331960712	+0.005207859	+65	2440983.5	+0.758443786	+0.007603533	−2
2440924.5	+0.337243190	+0.005355903	+62	2440984.5	+0.766044521	+0.007597890	−3
2440925.5	+0.342670175	+0.005496917	+59	2440985.5	+0.773639464	+0.007591941	−3
2440926.5	+0.348234759	+0.005631134	+56	2440986.5	+0.781228283	+0.007585632	−3
2440927.5	+0.353930250	+0.005758770	+54	2440987.5	+0.788810593	+0.007578917	−3
2440928.5	+0.359750172	+0.005880026	+51	2440988.5	+0.796385967	+0.007571751	−3
2440929.5	+0.365688237	+0.005995088	+48	2440989.5	+0.803953931	+0.007564094	−3
2440930.5	+0.371738345	+0.006104140	+46	2440990.5	+0.811513982	+0.007555918	−4
2440931.5	+0.377894569	+0.006207348	+43	2440991.5	+0.819065583	+0.007547190	−4
2440932.5	+0.384151154	+0.006304894	+41	2440992.5	+0.826608173	+0.007537894	−4
2440933.5	+0.390502533	+0.006396968	+39	2440993.5	+0.834141175	+0.007528011	−4
2440934.5	+0.396943331	+0.006483766	+36	2440994.5	+0.841663996	+0.007517530	−5
2440935.5	+0.403468377	+0.006565503	+34	2440995.5	+0.849176036	+0.007506451	−5
2440936.5	+0.410072722	+0.006642397	+32	2440996.5	+0.856676699	+0.007494774	−5
2440937.5	+0.416751632	+0.006714676	+30	2440997.5	+0.864165384	+0.007482496	−5
2440938.5	+0.423500613	+0.006782573	+28	2440998.5	+0.871641495	+0.007469630	−6
2440939.5	+0.430315388	+0.006846300	+27	2440999.5	+0.879104450	+0.007456184	−6
2440940.5	+0.437191898	+0.006906082	+25	2441000.5	+0.886553671	+0.007442164	−6
2440941.5	+0.444126307	+0.006962127	+23	2441001.5	+0.893988592	+0.007427587	−6
2440942.5	+0.451114971	+0.007014628	+22	2441002.5	+0.901408666	+0.007412474	−7
2440943.5	+0.458154447	+0.007063783	+20	2441003.5	+0.908813373	+0.007396861	−7
2440944.5	+0.465241485	+0.007109783	+19	2441004.5	+0.916202239	+0.007380801	−7
2440945.5	+0.472373027	+0.007152824	+18	2441005.5	+0.923574848	+0.007364362	−7
2440946.5	+0.479546210	+0.007193097	+17	2441006.5	+0.930930869	+0.007347642	−7
2440947.5	+0.486758366	+0.007230803	+16	2441007.5	+0.938270074	+0.007330750	−7
2440948.5	+0.494007031	+0.007266152	+15	2441008.5	+0.945592349	+0.007313800	−7
2440949.5	+0.501289951	+0.007299344	+14	2441009.5	+0.952897684	+0.007296880	−7
2440950.5	+0.508605064	+0.007330572	+13	2441010.5	+0.960186138	+0.007280045	−7